

agcaatacta cactgtgaca gattccatga tctgtttcca gcgaaaacaa aggtcaagtg 420
 tttttctgat gcttgatatt ttt 443

<210> 22788
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E4

<400> 22788

gggatccaag cctggccacc tgatcctcac cccaatgtt gcaaccatat ccgacgtgga 60
 gatcaaagag cacgggggag atgacttctc ctttacgctc aaggagggcc cgaccggcac 120
 ctggacgctc gacaccaagg ccccgctcaa gtacccctt tgcacccgct ttgctgtcaa 180
 gtccggtggc taccgcatcg ctgacgacgt catccccgct gatttcaagg ccggcaccac 240
 ctataagacc aactcagca tctaactcagc ctctgatgat gaattatatt tcaaaagagc 300
 tcacctggtg ctcatgtag caagacaata tttttctat gggtattttg tggcaccaaa 360
 ccaccaaga aatatgtgat gctacatgct ccttctgatg ccttggtgtg ttgggttgat 420
 attattacat aaactaaata aat 443

<210> 22789
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E5

<400> 22789

ggaaaagtta tatgatgctg gcaaagctcg cgctattggt gtgagtaact tctgctcaaa 60
 gaaattgggc gacttgcttg ctgtagctcg tgtacctcca gctgttgatc aggtggaatg 120
 tcatcctggt tggcagcaaa ctaagctcca tagcttttgt cagtcaactg gtgttcatct 180
 cactgcttac tcaccactag gttcacctgg tacaacttgg atgaatggta atgtccttaa 240
 agaaccaata atcatctcaa tagctgagaa actcgggaaa acttctgcac aagtggctct 300
 gcgctggaac attcagatgg gtcacagtgt tcttccaaag agcacgaatg aagaaaggat 360
 aaagcaaaac cttgatgtat atgattggtc aattccagat gacttgcttg caaagttctc 420

tgag

424

<210> 22790
<211> 437
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-029-Q1-K1-E6

<400> 22790

ccacctcttc ctccggttgc ctccgccctc gggcctcgcc ttcgctccat cgtccccgtc 60
tccatcctcc aggaccggca accccacgta gcgcgacagc tcgtcgccgt agtccatggc 120
ggctacggag gtgtactcgc cgaccacggc ggcggcagcg cagcagcagc gggggaaggc 180
ggcatcgag gcgtggcgag cggtggtagg gtggatcggc ttcttcctcc aagtccctgt 240
tcagatcctc cggggcacgc cctcctgcgc acagctcctg tccttcgctg gtttccgcta 300
tccgtcctc tccggacctg cggctcgcga gccgttgccg gaggtggcct tcatgccgct 360
ccactccgag atccctgctg acgcggcgcc tgcgcgaaa cctgcgtctg agcccctggg 420
ccgnctcacg gtagtgc 437

<210> 22791
<211> 151
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E7

<400> 22791

agtctgatta agtactagta aatcattcat gtcatgcatg gcacattaat taccttatta 60
ttagtccttg ctgagatgga tcagatcttg tgagttaagt aaagcatgca agatatgtcg 120
acagacacta catgagatga cacggttcta c 151

<210> 22792
<211> 81
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E8

<400> 22792

gtggtgacat cggccccac ctacattgat ggtcatagag tctgcccttc gttgtcagt 60

cgggcaattt ttcttgcata c 81

<210> 22793

<211> 66

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E9

<400> 22793

accacgcgtc cgcgaaacatg gggcaatcct ttcaggccgt caaggctcat gccagggcg 60

agtgcc 66

<210> 22794

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-F1

<400> 22794

gcagcagggga acatcgtcca tccgagctaa gtaattaggt cgaaaatgac cctgcccagc 60

agcagtagca gcagccggcg tgtgacgctg gtactgctcg gtctccgcct gctgcttctg 120

gttgggtgttg cgcagggcgg agtggagttg gtgcctgctg atgataatat cgccgccgcc 180

gctgctggca cggcgggtgga cgatggcgag ccgcctcagc agtgcgcgac cccggtgagc 240

gtggaggagg cgtgccgcgg cgcgtccgag acgcacgccg gcgtggccta cgaccactgc 300

atggcgctcg tgggcgccga cccgcgcagc aaggaggccg gcaacaagaa catgcacggg 360

ctggcggtgc tggccaccag gatggccatc gaccacgccg gcagcaccga gtccaagatc 420

gacg 424

<210> 22795

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D4

<400> 22795

atccccatct tcaaggatgg tctgggttgt gggtcctgct togagatcaa gtgcgatgag 60

cctgtggagt gctccggcaa gcccggtgtg gtgcacatca cggacatgaa ctatgagcct 120

atcgcggcgt accacttcga tttagcaggc acggcggttcg gcgccatggc caagaagggc 180

gaggaggaga agctgcgcaa ggcgggcatc atcgacatgc agttccgaag ggttaagtgc 240

aagtactact ccaagggcac cttccacctt gaaaaggggt gcggcccca ctacctggca 300

ctgctgggtca agtacgtcga cggcgacagt gacattgtgg cagtggacgt caaggagaag 360

ggcttcgaca cgtacgagcc tctgaagcac tcctggggcg ccatctggag gaaagacagc 420

gacaaacc 428

<210> 22796

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-C12

<400> 22796

gacgacgagt tctccacca tccctctctc ttcttcctcc ctctcgtegc tctctccgtc 60

ggcttcgcgt cggtcgtaag ccgtcccagc cggtagggcg aggagcgtgg aatatcgca 120

tgctcgattc aagctgcaac aatggcctca cccacggtcg ccttcatccc caccgccgcg 180

cccttgccgg cctccccgtc gctgcgcctc gcatcagcgt aatccatcgt cgatgcgtcc 240

gggtcctcct ccccggcctn caccactcc ggctcccca atccggttga gcccgcgcga 300

catccccact gtcgcgcct tgctggtctc cccgtcgtgg cgtctcgcgt cggcaccttc 360

cgctgtaaac gcgttcgggt cctcctctcc gaccttncgc cactccggaa ccagctctt 419

<210> 22797

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C2

<400> 22797

gcacaagatg gacgtcgccg atctcagcga agggggctgc acggttgaca agaccggcaa 60

ctgcgctccg ctgactgagc ctgaggaccc cgccttcgtg ctgacgagcg tcctagatcc 120
 actatgagac tatcagcaag cagaacctcc gctagctaac taggattcac actaagaagt 180
 gtccactcat gatatgcacc accgatgctg cctgccactg gatcggtcaac gacgcgcgat 240
 gaccaaacat gtgcatcaac tgctccactc ctgctgccgt gaacctgtat tgctgtgcca 300
 acatcccatg caccagagta accatggacg acgaccgcat catgtacagt gacgccaaact 360
 acaggaccat gaacagttgc acaatcgctg aaggttgctc cacagtgatc ctaagagacc 420
 tcgtatgctg at 432

<210> 22798
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C3

<400> 22798

atctgactgg cgaagcatct tgtagaatct gtcaggaaaa cttcagcaca actgttaatg 60
 gtatgccaaa cctatgtata aaactgtacc ggttgctcct aatttcactt ctatgaattg 120
 tactaatttg catcgaagaa agtttgggtcc caaacaactc gtgaactcgt tttcttatta 180
 ttgggctgat ggacaaggca acgtgaaatt tttcatggta cctgtgaaca gaacttagcc 240
 tacaaaactgc agaaccattc ccatttcac c ttgtagtctt gtctagctaa tactggactt 300
 tgtgggctgt ctgatccctg tgtaattcat ttgaccatga cagttcttga tcatgtgata 360
 tcatagaatg tgtcaaaaac cgcatacat caaaattaaa actggatata acactataca 420
 t 421

<210> 22799
 <211> 361
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C4

<400> 22799

cggacgcgtg ggcggggctg acctggaaga tcaccgtgga cggctggagc gaggagaaga 60
 agaactacca ctacgactcg gacacctgcg accccggcaa gatgtgcggc cactacaagg 120

ccgtcgtctg gaagaccacc accagcgtcg gctgcggacg catcaagtgc aacagcggcg 180
acaccatcat catgtgcagc tactggccgc cggggaacta ccacggcggt aagccatact 240
aaaatatata tcgaccatt gcatatatat atgttgacaga gctttttatt ttggcaacat 300
atctagtgc tatggactgc tggatatacat catgcacata ttaaataccta tcctttaatt 360
t 361

<210> 22800
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C5

<400> 22800

ggaaaagtta tatgatgctg gcaaagttcg cgctattgggt gtgagtaact tctcctcaaa 60
gaaattgggc gacttgcttg ctgtagctcg tgtacctcca gctgttgatc aggtggaatg 120
tcatcctgggt tggcagcaaa ctaagctcca tagcttttgt cagtcaactg gtgttcatct 180
cactgcttac tcaccactag gttcacctgg tacaacttgg atgaatggta atgtccttaa 240
agaaccaata atcatctcaa tagctgagaa actcgggaaa acttctgcac aagtggctct 300
gcgctggaac attcagatgg gtcacagtgt tcttccaaag agcacgaatg aagaaaggat 360
aaagcaaaac cttgatgtat atgattgggc aattccagat gacttgcttg caaagttctc 420
tg 422

<210> 22801
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C6

<400> 22801

atccggtggc gccagtgcag gtaccagtgc taccgtgggt gctggtgtct ccggaggtgc 60
caaagttgggt ggtggcgtag gaggaatgc aggaggaagt ggcaacgtct atactggaac 120
cggtgccgat gcaagcgttt ctggtggagg atccggtggc gccgatgctg gtattggagc 180
taccataggt gctggtgtct ccggaagcgt caaatttgggt ggcggcgccg gaagaagtgt 240

aggaagaagt ggcagtgctg ctgcaggtgc ttctggaggg agtaaatacat caggggggtgg 300
 ctcagatttt ggatatgggt caccgagcaa ggagttatag aggatgatga ccacttacca 360
 ccgtaagatc gatatgatcc gtcccaagga atttattcct gccctttttg ttatcgcgcg 420
 ttgttttatt a 431

<210> 22802
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C7

<400> 22802

ctagttctag atcgcgagcg gccctttttt tttttttttc gcaactcatat tatctcggta 60
 ttctctcctt accaagggtca gaaccccaga agcagcaaag tcgacaagtc acgcacccag 120
 aacatgaaac gaaggcatac aattacaaca cataatacta gctactgtct tccacaacgc 180
 aacaggtacc ctcttatagc tccccagcat gtaacttgtg ccaagagcac ccaccagtcc 240
 tccacaccaa gcatcaacaa ataaacatgc gtaatctttc gagtcgccgc aactatccct 300
 ctaccttctc tgttcagctt cggctactta gaaagccagt ggtggcagag gcaagctggt 360
 gttgagcccc gaccgcatcc tctcttcct gagcctctct gcaatgatg 409

<210> 22803
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C8

<400> 22803

gaattaggca agcgattatt cgcacgttg cttaggtgct ctaacaagcc gcaattgggt 60
 agagattgga tcaagttcca ggctttttta aaagtgcctt ccagcttact taattgactc 120
 gcatgggctt tctcgctata aacgaactaa acgaagcgcc taaagagaga gatccgcggg 180
 acaccagtca atacagtaaa aagagagtat tctcttatgt agtcttattc cttcccaccc 240
 ccttgtgggt gctgctcaag cagctcaaga ggcgccaacc ccacaaccac aggtagaatg 300
 agttccaggt gctgctcca gatcaggac tagtggccca gtcctgttcg gatgtaaagg 360

aaagatgaaa aactttttctc aaacagtggg gaaagggccc catacgtcaa agccagatga 420
agaatctcca acatgattcg 440

<210> 22804

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C9

<400> 22804

agaacggcga caaggacgac gtcgtcaact tcagcctcga cttcgagaag ctgcagcgcg 60
tcacgctgga cctgatcacc gaggcacccg gatccatgtc cgcaggcatc gccctgccac 120
cctccaacgc cggagcgccc tcttacgggg cggcggcgcc gttcggaggc gcccgggacg 180
caccgcccgg cacctccgag ggccctgcc a gcgccagcgg gccatcgggt ggtgacgccc 240
cggcgtatgg cgccagcgcc agcgccagcg gcccgactgc tgatgctccg gcgacggcga 300
cggcggcgcc gtcgtccggg ccctctagcg caccgcgcgc atcgctgtct gagtcctccg 360
gcgcaccagg gccgtcgtcg tctgatgggt cctccggcgc cccggcgcca tcgtcgtctg 420
atgggtcctc cagcgccccg gcgccatc 448

<210> 22805

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D1

<400> 22805

gtttggacta tacaattctc gtgtctcgcc ctcccccgac gcgccgtcta gggtttgaca 60
gccgcacccc gatccactag agctatggag ttcgacgaat acgagtacct ggagaaggcg 120
gtggagccgg ctcccccgcc ggccaatggt tccggctccg gcgagaagga ccgcggctcg 180
cgtcgcccgcg agggcgacga gggccgcata tcgaagcgct cccgctcggg ggaggaccgc 240
gagcggggcc ggcaccgcag cgttcgggag caccgggatc gggataagga tgacgggaag 300
gagaaggaga ggagccgcga tagccgcggg aaggacagag acaggaagga gagagaacgg 360
gagaaggaga ggggggacag gcacc 385

<210> 22806
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-029-Q1-K1-D10

 <400> 22806

 gtttgtggcg gacgatggcg acatcgtgct gatggaaatc caggacaagt tgtcggctga 60
 gtggaagccc atgaagctct cttggggcgc catctggagg atggacactg ccaaggcgct 120
 caagggcccc ttctctatcc gctcaccag cgagtcggc aagaaggtca tcgctaaaga 180
 catcatcccg gcgaactgga gaccgatgc cgtctacact tccaacgtgc aattctacta 240
 gactttgaat tgccttcgat tcatccggcg cggcgggcta tggacctgca gcaacaagct 300
 aattaaagtg gcccatatat atataatata taatggaaac cctgggcttt gattattggg 360
 gaagcccaa ccagaatgcg gataggccac caccgcgat gattacgtta gcatttatgc 420
 tggta 425

<210> 22807
 <211> 429
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-029-Q1-K1-D11

 <400> 22807

 gttcagttgt agccgttgag acttgggagg caggcgacat ggggtggcggg aaggacgacg 60
 gccacgatcc ctcgaaggcg gacaagggat tccacggagg agggtaaccg gccgccgccg 120
 gtggatacta cggcggccag taccgccggc gcggctaccc tgctccaccg ggccggcggtg 180
 cgtaccctcc cggccctggg taccgggtac cacctggtgg gtaccgcct acgggtggct 240
 accctcagcc tggcgggatac ccgccgtcgc acggggcgta cccggcgccg ggtgcaggcg 300
 cgtatcctcc cagcgggtac ccccatcaac cggctctacc acagcctggc tatccatcga 360
 tgcccggta tgggtggcatg tacggaggag gccacggtgc aaggggctct gcattgccacg 420
 gggcgatgc 429

<210> 22808
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D12

<400> 22808

ctgtgtttat ctatttctgg attttctcga ctccagttgt ttctctcata tttggtagtt 60
 acctatacat ctgcatcaat tggttccaca tacactttga tgaagccttc tcgtcgctgc 120
 gcatcgcaaa ctacaaatcc ttcacaaggt tccatgttaa gaaggatggt gatctagaaa 180
 tatttactct tgcagttgac aagggtcccaa aggactggaa gttggatccg aggtgggaat 240
 cagaggggacg aggggtctcat cagctcagcc atgaccggaa gcatccgagc aagtggaggt 300
 cagcctcatc aactgaccct gtgagatctg tacgggttgg tgatcatttc accatcgaaa 360
 gaacaagaac cccagatatg gagccctctt cctgattgtg cagcccttac tattacaagg 420
 agttgcgact 430

<210> 22809
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D2

<400> 22809

gtagcgtggc gggcgtggac gcgggggcga tgctgcggtc ggcgctgcgg cggggagggg 60
 cgtccgcgag gcaggtcgcg ttggcgggag aagcctcgcc gagagacctc ctccggatgc 120
 gcgtggcgga gcgggagcgc gcgaggcggc ggcgtcgca cccgggcccgc gacgagttct 180
 tcgtgccac gccagagtcg ctggcgtggc tcgactcggc ctccctcccc atggtgctca 240
 ccgccgccgc cgtggccctc ttcaccaagc tcctcatgat ggaacatgaa gctacagatc 300
 aagaaaggag agagcgcaag ataaagaata gccaccctga tcaaggaaca gtaaggatgc 360
 tatctcgtga agaattgggag gaggtccaag aagtcaggcc aaggaccct tttgaatcaa 420
 agttagctcg tccacatgcc c 441

<210> 22810
 <211> 420

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-029-Q1-K1-D3

 <400> 22810

 caccggccgt cgagcgagca gtctcccaat tccacccaat aactaataac atctcctcga 60
 acgccagggt ccttggacca ctatatccag gagcgacgaa gtgatccacc cgccagccat 120
 ggagatgaag aaggctcctt gcgcccctt cgtcgccgcc gcctcggcca ccgccgtgct 180
 ggcctcggtc gcctccgagg cgccctccga ggcgcccgcc ggcgcggccg gtggtgcggc 240
 tggccctagc gcaagcggcg ccgcccgcgc cgccgtgccc gccgcccggg cgctcgtcgc 300
 ctcttctctc gcctactacc tccactgagc gacgacgcgc ggggcggcaa cgttgggatg 360
 catcgtgttt ggttcatccg attaattaat tgtttttttt atttacgtgg tttgcgattg 420

<210> 22811
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-029-Q1-K1-C11

 <400> 22811

 ggtgcaggaa ttgtttattc cgggggcagg aagaaggagg acgaggagga ggaacacgcg 60
 agagatagag agagcgctct cctatcttct tttgcttttg gtattgttat cttgggatct 120
 gattttgtcc ccatacatc cgagcgggag ggaagggggc ttgggttttc tttctcctct 180
 cttctcttct tetacctct caccctcttc tctcccaag gctgactggc cgtcggtctg 240
 ggtctgggga cagcaatccc tgccgtcttg ccatgctccc cacgaggagc acaccgtcag 300
 agtgattctg cagaagtatt cattctactg gcgtgctgag caggtgcatg agctctaata 360
 agcctagtgc gcacttcagt catcagccaa gtgattgaaa agggcacgtc agctgaaata 420
 t 421

<210> 22812
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-A6

<400> 22812

cacaaaccta acgcggagcg gcgcggggccg gccgccgggc gaggtgcgcg tacctgccgt 60
cgatcgtcgc cggatccatc caccatgggc ggtggcaacg gccagaagtc caagatggcc 120
cgcgagcgca acttggagaa gaacaagggg gccaaaggga gccagctcga gaccaacaag 180
aaggccatga gcatccagt gaaagtgtgc atgcaaact tcatgtgtac cacgactgaa 240
gtgaagtgcg gggagcacgc cgaggccaag catcccaaga cagacgtgta ccagtgttc 300
ccccatctga agaagtgaag ggcctgaact tagcaaccag tgctggtttg gccagnnggc 360
gttccttggtg ttgaggggtg tcatcccggtg gtatcttccc gtcagtcag cgtcctgtcc 420
tatgttaacc tacataaga 439

<210> 22813

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A7

<400> 22813

aagatggcaa atgctctcct aggtggcctg tgggcgatcg tcgtcgtcgc ggtggtcgtc 60
ggcgtggtcg ccaccgtcac ccactccggc aagaaggccg gcgacgactt caccgtccc 120
ggggaagcct ccattgccac gtccggcaag tcggtcgagt ccctgtgcgc gccacgttg 180
tacaaggagt cgtgtgagaa gacgtctccc caggccacca atggcaccga gaacccaag 240
gaggtgttcc acagcgttgc caaggtggcg ctggagtcgg tgaaaacagc ggtcgagcag 300
tccaagacga tcggcgagggc taatgccagc gactccatga ccgagagcgc gcgggaggac 360
tgcaagaagc tcctcgagga cgccgttgac gacctcaggg gcatgctcg 409

<210> 22814

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A8

<400> 22814

gttatggcac cagtgttggc acaggcaacg cagcacggca tcgagtcaag ccagtttagca 60
agcgatggaa caggctacac tgataggaga gaacggctag aggagggatc ggaagcgca 120
ctgccatggg catgggcatg gagaccgagg atactgcccg tgcattctat acggacgtaa 180
aacgaatcat tatcaaggta ggcacggatg ctgtcactgg aatgaatgga cgatcggcca 240
tgggcaggct agtctctcta tgtgaacagg tgagacaact gaatgtttac gggatgagg 300
agattctgct gacgtaaaga tctgttggc tatgcaggca gatgatctag tactgtagac 360
ttatc 365

<210> 22815
<211> 436
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-A9
<400> 22815

tcctcgctgg ccataaata tatatctatc tatcgccatc gagcaattat aatctcacag 60
aataataaac atcatggggc aagcctcacg gctcgtcctc ctgcgcgtcg tggcgctgct 120
gtccgccggc ctctcccgc aggcgctggg taagggtagg ggaggcaggg gacacggtgg 180
cgccgtcaac ccgaggtcg ccggcatctg ctctcgacc ccgttcccgg aggtgtgcac 240
gtccaccgcc gggcggcacg cgtacaagta cccggtcatc gacaacctgg ccgtgctgaa 300
catgcaggctg gacgcgttcg ccaagcgac cgcgcatgcg cgcaagcacg tcgcgaggtc 360
ggcccgacc atcccgccgc agcagacgca agcgctcacg ttctgcgaca ccatgtacat 420
gaacacgcat gacacc 436

<210> 22816
<211> 406
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-B1
<400> 22816

aagatggcaa atgtctctct aggtggctctg tgggcgatcg tcgtcgtcgc ggtggctcgc 60
ggcgtggctc ccaccgtcac cactccggc aagaaggccg gcgacgactt caccgtccc 120

ggggaagcct ccattgccac gtccggcaag tcggtcgagt ccctgtgcgc gccacgcttg 180
 tacaaggagt cgtgtgagaa gacgctctcc caggccacca atggcaccga gaaccccaag 240
 gaggtgttcc acagcgttgc caaggtggcg ctggagtcgg tgaaaacagc ggtcgagcag 300
 tccaagacga tcggcgaggc taatgccagc gactccatga ccgagagcgc gcgggaggac 360
 tgcaagaagc tcctcgagga cgccgttgac gacctcaggg gcatgc 406

<210> 22817
 <211> 218
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-B10
 <400> 22817

cccacgcgtc cgtttaaaca tttgtttcgt tcttggtgct tagcaaatat gcatcgtgag 60
 actaacaatc agttacatag ctagtgttga tgcttgtgta acaaagatga atctgttgga 120
 gctgctaggg tgccaaagggt ggggtcccct attcggcaga gctctggcag acggtaaatt 180
 ctatgaatcg attcgttttag gctttgttcg gttatttc 218

<210> 22818
 <211> 418
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-B11
 <400> 22818

ggaaccagaa agcatacga aacaagagca tccagcatgg cccgcgcctg cgtcgggctg 60
 tctgtcctcg ctagccgtcg ttccatggcg ccgttcgcgg gcgcacgcgc atcgacgtcg 120
 tgagggcagg tccatggcgt ccgcggacgc accggaggcc gacgtcgacg ctcccgtcc 180
 tgctcctggc cccgactcct cctcgacccc gtcgccggca cccctcagca gcagctcttc 240
 cgactagccg gccggcatag atatctacgg tgtccgatca ggctttggcg ccacctataa 300
 cctatcggat cctgcaaagc tatatatgat tctatggcat aatgcgtggc tgccggcaaac 360
 gcccgaaaat aatgtgcttg cgtgatcgat tgtctctgtc tctgtctgct taataatg 418

<210> 22819

<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B3

<400> 22819

cccacgcgtc cgcccacgcg tccggaataa ttttactaat caaattcttg ttgggatgta 60
ttcctccaat tcccctctc ctcccaacaa ggcaacaaca atctgttccg gccgccaaac 120
aaaacaaaaa aaaaaaacac actgaaccca ataatccgat cccacagaaa cttttctctc 180
ggtcggttcg atcgatcgct gccgtgtcgt ttgccagaca ccatcagcac caaaaccat 240
ggcctgcaac ctggctcagt gcgccaccgc cgccgcggcg accgtcgcgc cccgcacccc 300
tcgccctgct gcgtccgcgt ccgtctcctt ctccgcgagg aagccggcgg gcggcagcct 360
gcggctgcag cggcaggcgt gctgcg 386

<210> 22820
<211> 383
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B4

<400> 22820

cccacgcgtg cgcagacacg tgcgtcaaca cgattgttca gaagggaaact atgaggcggg 60
cctacgaggc agacataccg actaatatga ctctattgga cggcatctta tcgaactaac 120
gaactaacgc ggactactac gcaatccgaa cagagcttac gacagctacc taggatacag 180
atcgagatga atacgactct cttcgacttc actgtatgaa tgggcgactg ggtcagcaca 240
ctattgggat gaccaaaggc cggaatcaac ggcgcctcaa ctacttccga gtattactac 300
tacgctaccg atagcactgg cgctaaagca tcctttggca ccaccgtact aacggacttc 360
accatgaact gtgcactatg aat 383

<210> 22821
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B5

<400> 22821

ggccgccccg ctggggcccc cccgcgccat tgctcgaatc gggaggcatt cgtccgcgcg 60

cgctgctgcc ccgcgccgtg gcggtggcgt tggcggtatg tacgaccgct agaaggaagg 120

aggaggcggc attagtgggtg gggattagga ggcggcactg ctgggtgccg gaggaggagg 180

aggcgtagcc catgaaggcg acggcgccgc cggcgaagcg gcggaggggc ccgcggctgg 240

cgggtgctggc gctcgtgttc tgttcgctgc tcgtgccgat cgccttcctc ttcaaccgct 300

tccccgcgct atatgtgaca gatgagcgcc ctcagcagga gattgacttg ccttcgttcg 360

atcgtgtggt atttgaaaat ggtggctctg taattgaaga tgtg 404

<210> 22822

<211> 347

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-B6

<400> 22822

caaggttaaa aacaatatct cagaaactgc agaagttgca caggcagagg atacctctcc 60

tatggatatc aatagtcaat ccaaccagaa gcaagaatca tgtggaccga atggatccaa 120

agatcgtata ctaagatcaa cttctcgttc atcatcttcc agagaaaaaa ctatggagaa 180

atcatgcagt tcagcacaca agggcaaaaag aaccttatgg ggccgtactt cagcaagaaa 240

agacctgtca acagaggaga ttgaatgctg cagcgatgat gaggcccttg ttgagaaact 300

tgagagtaac aagattgatc tncaatcaaa aattgcaaag gaggcca 347

<210> 22823

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B7

<400> 22823

ggacaggatg cccgcgacg gcatttcggg gaccctcagg tcgccccaga tcgacgtggt 60

catcgacacg gggaaccctt tctgaaccg caccgtctac ggcttcctca agatcggcgt 120

tgtcggcgcc tgcaaggtgg cggccgagga gaccttcgac tgcctccaca ggggggatgt 180

ttcaaagcgc aaggttgagc atgccctgaa gaagatgtgc aaggagggcg catattgggg 240
gactgttgct ggcgtctacg tgggcgtggt gtatggcgtg gagaggggtcc gtgggcgcag 300
tgactggaag aacgcgatgg tctgaggcgc cttgtccggc gcgctggtct acgacgacag 360
cagcaaccac ggagacaaga tcgtcaagga cgcca 395

<210> 22824
<211> 144
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-B9
<400> 22824

agctttcgtt atcctcctcg atcttaatta caggatcatag ctaagcaggt ctgacaggat 60
gtcgtggcag acatacgtcg atgagcacct gatgtgcgag atcgagggcc accacctgac 120
cttcgctgcc atagtcggcc acga 144

<210> 22825
<211> 416
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-C1
<400> 22825

cggacgcgtg ggtgtcagtc attgctattc actgccttcc cttggccagt acgggtgaaa 60
atatcgtatt cttttataag atgaaagggtg actactaccg ttacttggct gaatttagca 120
ctggaactga aaagaaagct gcctctgac agtcacttat ggcctatcag catgccatgg 180
ttgtcgcttc cagtgcgtc tcacctgctc accaaatccg gcttggcctt gccctcaatt 240
tgtcgggtctt cttttatgag ataatgaact ctcatgagag agcttgccaa gtggcaaaac 300
aagcatttga tgaggctctt actgagataa attctgggtga gggagtgtac aaggatagca 360
catttatgat gcagcttctg aaggacaact tagcattgtg gacatcagaa ctaact 416

<210> 22826
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C10

<400> 22826

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccgag aaaatttgac 60
agctgtattg ttccattacg acgggaatgt caatgggtgg aatgatctac catggagcaa 120
aagtgtgata catatagctg cttctaacca gactaaatgg tggtttgcaa agaggttcct 180
ccatcctgct gttgtgtcta tgtaccagta catctttctt tgggatgaag acctggaagt 240
agataacttt aatccgagaa ggtacttaaa tatagttaga tcagaaggac tggagatata 300
acaaccaggt cttgattcta agctttctga aattcatcac cgaataactg gtcgtaaaaa 360
tacagggacc tttcatagaa gagttagtcg ggcttacaaa cgttgtttaa gagaaggacc 420
gcct 424

<210> 22827

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A5

<400> 22827

cacgcgtccg gctattttctt ctgcctctc ccaccggccc ggtegcccg agtagcaagc 60
gtctccgata cgatccatcg tgcgagcata tccacggcga tggaggcgag agcggccatg 120
agctggtact gcggctccct tctggcctg gccatcgcg cgttctctg cgtgtccctc 180
ggcgtgcgcg ccgccggcgc cggcgccggc gtcgacatca aggtgtcgtg tgcagcgacg 240
ccggaccccg acgtgtgcct acgcgcgctc caggcggaca gcgactccaa gaccccgcg 300
gacctggcgg aggcggcgct ccgcgcggcg acgaccgcg gcggcgcggc gggcgactac 360
gcgcggcacg agatggacgt ggtgaaggac aacgacatgt g 401

<210> 22828

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H11

<400> 22828

atcctcgggtt gcagccggag ttcttgacga cggtgcccaa cgaggaatag aaaggaaaga 60
 agaaaaaac gcgtctctga attccacacg gccggcgaag acacttgaac agtcttgctg 120
 gcaatgggaa acaagggacc agtgccaaca caggaatcga cgaatgatga cgccgaggca 180
 ccgtcgtcta cgtctgctgc gagcaatact aagagcaaga cagacgtgga gcgagagcag 240
 ctgttcgaag gatcaagcga cgacgacgcc cacacgccac ggaagagaag caccagaggag 300
 atcctcacca aatacaagtt caaaggggac gccgcggctg ccgcggctca cgcaagcag 360
 aagctcatgg agcggcagga gaaactcgcg agaatacagg agcagtccgc ggagctggag 420
 agcgaggccg agaact 436

<210> 22829
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-H12
 <400> 22829

cccacgcgtc cgacccggcc ccaacatcac caccaactac aacggcaagt ggctcaccgc 60
 tagggccacc tggtagcgtc agcccaacgg tgccggcgct cctgacaacg gcggtgcgtg 120
 cgggatcaag aacgtgaacc tgccacccta cagcggcatg acggcgtgcy gcaacgtccc 180
 catcttcaag gacggcaagg gctgcggctc atgctacgag gtgagatgca aggaaaaacc 240
 tgagtgtctg ggcaatccag tcacgggtgta catcactgac atgaactacg agcctatcgc 300
 tccctaccac ttcgacttga gcggcaaggc ccttcggctt cctggcaaag cccgggctca 360
 acgacaagat tcgccactgc ggcatcatgg acgtcgagtt cagaagggtg cgatgc 416

<210> 22830
 <211> 340
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-H2
 <400> 22830

gcgcgagcgc cggcgcctac gccagggtgcc caggcctccg tcggtcattt cgccaggcat 60
 tcgtcgcggg ctcttcgccg gcgacgagca caccaccaa acagattctc gtgacagtgc 120

ctccctggtt gcctttcgct gaagttactg aatctgaaat ctgaccatca tgaaccaggt 180
 tgaggggttg tcctttacga gcatgttata atgggagaga acggagttca gctgacactg 240
 acctccactt tgaagagcac aggcaagcca cggatcaatg cggacgggct gaataatgga 300
 tcacatacta ccaaagagaa gcatgaacac ggtggcactt 340

<210> 22831
 <211> 377
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-H3

<400> 22831

cggacgcgtg ggcgccatcg ccgctattcc cattcgccct cccctcctct tctccacccc 60
 gcgcaaaacc ctagccgccc acccctccaa tcccctacca gcgcccgatt gccggcccca 120
 atcgagctag ggctcgccaa tttctggccg agctcggtga aatttcggcc ggtcttttct 180
 ggtgaatect ttggtttatc ctgaggggat attttgattt ctgcggcgca cgatggggag 240
 cagaagggag gaggagagga acgagaagat catccgcggg ctcatgaagt tgccgnccaa 300
 ccgcaagtgc atcaattgca acagtgtggg gccacagtat gtgggtacca atttctggac 360
 cttcatttgc ctgtcat 377

<210> 22832
 <211> 88
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H4

<400> 22832

cccacgcgtc cgcgacgcg tggggttggt cgtagcttct ctctatatat ataccggtat 60
 gtaaattggtc gacaaaattt gtttgacc 88

<210> 22833
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H5

<400> 22833

gccgcccgtt cgccgctgcc cgttttcttcg aaccactccg aagctgcccc gccatggaca 60
gctccgccac tgacggcgcg aggctaccgc cgccaagggc cgggagtcgc ctctgcgtca 120
ggtgcggcga gaggaaggcc gcgctgaagc ggcccaaac cctagaacag atctgtaggg 180
aatgcttcta tatcatcttt gaggacgaaa ttcataaac tattgtccag aattctctgt 240
ttaaagctgg tgagcgtgtg gcaatcggag cttctgggtg aaaagattca accgtgcttg 300
catatgtgtt atcggagtta aaccgtcagc ataactatgg gcttgatttg tgcccttttat 360
ctgtcgatga aggaatcaca ggatatagag atgactca 398

<210> 22834

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H6

<400> 22834

gagaattctt aattcatgag ttgtagggag ggacttatgt caccacaaac agaaactaaa 60
gcaagtgttg gatttaaagc tgggtgtaag gattataaat tgacttacta cccccggag 120
tacgaaacca aggatactga tatcttggca gcattccgag caactcctca gtcgggggtt 180
ccgcctgaag aagcatgagc tgcagtagct gcggaatctt ctactggtac atggacaact 240
gtttggactg atggacttac cagtcttgat cgttacaaag gacgatgcta tcacatcgag 300
cccg 304

<210> 22835

<211> 477

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H7

<400> 22835

cccacgcgtc cgcccacgcg tccgctcttc ccccgccggg caacaactca gccgccgcaa 60
ccgccacatc agccatgggc gcctgcgcaa ccaagcccaa gacgcttgag gggcaggccc 120

cagctgagggc cgccgtctcc acacccaagg ttgcgcccga ggccactcca atctccgttg 180
 aggttgcggc tgatgaacag gtagctgaga aggtggtggt gggaggagcc ggctgcggcg 240
 gccgacgttg agcatcagaa ggctaataag gtgctcgctc cagaggcggc cgctcgccgag 300
 cccgaccaca aggaggagga agccgtggag aagaccgtcg tcgaggagga gaagccagcg 360
 gcagcagccc atgcagagga aaaggtcggc accggcgctc agaccacgac gacggtggag 420
 gcgaagaaga acgccgagga tgccgtgaag gagaagctgg cgcagcaaag ctgatcg 477

<210> 22836

<211> 435

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-H8

<400> 22836

cccacgcgtc cgcccacgcg tccgcgccat cattgttttg aaataccaat ccaactcctg 60
 gtacatcatc attatttgcc acatcagtga caaataatcc aagtccattc ggccactggct 120
 cattattcgc taacactcaa tcagcccccatt tatttcctc agcatttgct caaccgacat 180
 caagtacacc ggctttctcc tctggcagcc tatttggtc aactaatccg ggcagtctgt 240
 ttagcagcag cggtccttca cttttttcaa caccaacatt tcaaccatcg gccctgctc 300
 aaacttcgaa cttattctcc ttccaacctg caattcaacc agcttctaca ggtgggattc 360
 cctgtttttt ccaatactac aaaccaagcc ttgatgggac agncggatga tcttttgcta 420
 cttttcaaatt gcaca 435

<210> 22837

<211> 406

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-H9

<400> 22837

cccacgcgtc cgggtccatg gcatccgccg atgcaccgga ggcggcggcc gatgctcccg 60
 ctctagccc cgactccgcc tcattcccag actcatcgct agaggcgccc tccagcagca 120

gctcctccga ctagacgcaa aaacctcttc attctctgga ataactaaca gtatatacgt 180
 tgcaccctga tgatatagaa acatgtacgt gcatcagtgt atggaatgcg agtggcaaac 240
 acatggaatg tgcttgccta attattgttt atttctttat ttattatatg tctctctcgg 300
 ttgtttttta ttttcttaa tgcattgaat ataatttgtt ataccaata tagacaatgt 360
 gtgctatgcg ctntaattct atggtgacga tggcacggtt ttctca 406

<210> 22838

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A1

<400> 22838

ggggcggcgc gttggggatc cttgtgcgcc ggtaccgcca tggggtgatt catgaaaggt 60
 ggcgtcgagt ccccgatggg tggtcagggg gagtcgctgg tgctaaccac gcgccattgg 120
 ggtctttcca gatgagaata ttcaccgggg gcacacaaat tgctcgtcgg agtggacgct 180
 tcgccttggg tcagcggtaa gctgtgggca gacgacatca cggcccggat agcttcgcga 240
 ggttacgagt cacttgaaga gcaagttggt acctggaatc tcaagtccca ggtcaagaac 300
 aggtaccgta agatgaggcg cataaaggat atttgtatga gttcgtgaga ggtctaggcc 360
 gtcattctcc agtcaacttt aggttgctgg atcgggtgtct tcatatgatg gaattattta 420
 attaatttg 429

<210> 22839

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A10

<400> 22839

cccacgcgtc cgcccacgcg tccgatcgcc cccaacctcg cgaacgagat ccgcagatgg 60
 agaggccttc accaattgat ttctgcgcgc ctcgggcccc gggaggcgat ggcacggtgc 120
 tgggcgacct gccggagaac tgcgtcgtgg aggtgctgct caggctggac ccgctggaga 180
 tctgctggat ggcgcggctc agccgcacgt tccacgacgc cgcgtccggg gacggtgtct 240

gggagtccaa gctgctgacg aactacgtgc gccttctcgc cgtcgtcgcg gccggcgatg 300
 gggaagcggg gcaggccgcc ggggtctgcgc cggaggcgga gccgctgccc aagaaggaac 360
 tgtacgcgcg gctttgccgt aggaaccgtt tcgacggcgg caaaagagtt ctggctggac 420
 aagggtg 427

<210> 22840
 <211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-A11
 <400> 22840

cccacgcgtc cgcccacgcg tccgcccacg cgtccgccag ataccaaggc acggagggcc 60
 atgaccatag cagcaatgac atggctgtgg tgatggggct ccggcgagca attcccatta 120
 cccagccaca tctcccgttg aattgagagt tgttgaacta caacatgcgc tcaaaaacct 180
 attagcccct tcccctgagc ccgaacaacg ccgagggcgt gatacattgg cggcgacaac 240
 ctctctttct ctactacct ctgacctatc tgcattgcac aagcgggatg ctcatggggt 300
 tcatcaggtg accatggttt gagggcaatg gatggagggg cctcgagttt tataactccca 360
 gaccaggtgg ataaggattt aaccggtgat cgatctccga tgattgaagg aggggttaggt 420
 gcgattcgga t 431

<210> 22841
 <211> 359
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-029-Q1-K1-A3
 <400> 22841

gtgcgtcttc tctcaacct caacccccac cccgccctac ctacaacct attaatggc 60
 ggcttccgac ccgtagacct gattgatccc cgcattgaat ccggcggatc gggagcggga 120
 gagaccactc ccaaatcgcg tcgcgtcgcg tcgagagcga gagcgaaga ggtgcgcgcg 180
 ggggaaccga gccgactgat ggagccgacg ggggcgcccg ccgcctgcga gatcgcgcgc 240
 ctgccggatg acctctgtc ggcggcgctc ggccggacgg ggccgctgga cgctgcgcgc 300

gccgncgcgg tctcgccggc ctttcgcgcc gcggccgacg ccgacgccgt ctggtccag 359

<210> 22842

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A4

<400> 22842

gggaggggaa aacacgtaca ttcacccggc ggcaataatg gcctcggttc cggctccggc 60

gacgacgacc gccgccgtca tctatgcct atgcgtcgtc ctctcctgtg ccgcggtga 120

cgacccgaac ctccccgact acgtcatcca gggccgctg tactgcgaca cctgccgcgc 180

cgggttcgtg accaacgtca ccgagtacat cgcgggcgcc aaggtgaggc tggagtgcaa 240

gcacttcggc accggcaagc tcgagcgcgc catcgacggg gtcaccgacg cgaccggcac 300

ctacacgata gagtcaagg acagccacga ggaggacatc tgccaggtgg tgctggtggc 360

cagcccgcgc aaggactgcg acgaggtcca ggcgctcagg gaccgcgccg gcgtcctgct 420

caccaggaac gttg 434

<210> 22843

<211> 375

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H10

<400> 22843

cggacgcgtg ggcccaggca ggcaggtcgg cgaggagggc aggaagaccg aagaccgagc 60

cgtgcggggg ctcgggacgg gaacgggaca ggaccccaa atctcagatc cttcctgccc 120

gcccgcccgt gcccgtcgac gcgtcgttct tgccggccgc gcccacctc cgccctctcc 180

tctccaggg ggatcgata cgccacaggc tgccgatgg tgctgtgggt cttcggttac 240

ggctccctca tctggaacct cggcttcgac ttcgacgaca aaatcctcgg cttcatcaag 300

ggctacaagc gcacctttaa tctcgcttgc attgaccaca gaggcacacc ggagcattcg 360

gcgaggacct gcacg 375

<210> 22844
 <211> 474
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-F6

<400> 22844

 atcgggtccg gcgcgcctc cgctcgtgcct tccgatccgc tctactccgt ctacgccgct 60
 accaaagcgt atgttgacca attctcaaga tgcctctatg ttgagtacaa gagcaaggggt 120
 attgatgtgc aatgccaggt gcccttatac gtggcgacaa agatggcatc catcaggaag 180
 tcttccttca tggteccatc tgctgacacc tatgctcgtg ctgccgttcg tcacattgga 240
 tacgagccta ggtgcacacc atactggcca cactctgtcg tgtggttctt gatctocatt 300
 ctccccgagt cccttatcga cagcgtgcgc ctgggcatgt gcattaagat ccgcaagaag 360
 gggctggcca aggacgcaa gaagaaggcg ctgtgattga tgtttcagaa tgcattgttca 420
 gattcgcaca tttntcatc acctgtagta gacacgtgcc ttgcttgagt cact 474

<210> 22845
 <211> 300
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-F7

<400> 22845

 cccacgcgtc cgctctgtcc agtcgcgggt tgcgtacgtg tatcgaccaa cgacctgtag 60
 tgtgtagaac agattgagga cacatggaca tgacggagga ggcggcggca ggagcaggag 120
 gcttatcgtc atcatcgggg aagccggtga tgggtggtggg cattgacgac agcgaccaca 180
 gctactacgc gctgaactgg acgctgcagc acttcttcgt cgccgggcaa ccgcagcagt 240
 accagctggt ggtgctcacc gtcaagccct cggcatcgtc cgtcatcggc atcgccggcg 300

<210> 22846
 <211> 454
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-F8

<400> 22846

cccacgcgtc cgagccggcg cacgccgacg ggcacagtag cgaccgcgag cgagccagag 60

catgggtgac actggcgcgga acatggccca ctggggcggg ctctacggcc gggggcgcg 120

gccggcgacg acggaggcgg tgacgacggc aggaggcggc gggtcggtgt cgagccctac 180

gtcggggcggg tcgggcggta gcccagaccg cgcgcagctg cagccccggg tcgggggtgga 240

ggggcgggcg gtgggcaagc ccgcgcggcg gcggtcgcgc gcgtcccgcc gcgcgcccgt 300

cacgtctctc aacaccgaca ctttcaactt ccgcgccatg gtgcagcagt tcaccggcgt 360

cccgccccgg ccctacggcc ccggccccgg cggggcgggg gggcccgta tcagcttcgg 420

cgccgagtac ggcggcgcg agctgggtgcg cccg 454

<210> 22847

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F9

<400> 22847

gctgatcaac gctgtcgatt actgccatag gcgacgcgtg taccagcgag agatccaggg 60

tgaaaatgac atggttgatg ctatcggcaa gttcaacggc ctctattgtg gactgagcgc 120

actatctaaa acagtcgcag aggatactgt gctacgcaca acctgtggaa ctagcaatta 180

tgttgctgcc taggttataa acaataacgg ctctcatgta cctaacgctg atctgggtgga 240

atgtggactc attctctatg ccctgctggc ggggtacctc gcatttgaac attcgaacct 300

gatgctgctc tacaagaaga tcttcaaagc ggatctcagg tgcacgagct gactctccac 360

aagcgcagag aatatcatca cgaacatact tgaacctaat gctaacaata gaataactat 420

t 421

<210> 22848

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G1

<400> 22848

cccacgcgtc cggcgggaac ccgtgccctg tacctcctcg tcgcggctgt cgcggcgtc 60
 gtagccacgc ctgcggccgt ggacgcggcc acgctggcgg agatctgcag gggaaccgcg 120
 ttccccgaca tctgcaccag cacggtgggg agcagggcgc agagcgccgg ggtgttggac 180
 gccatggcgg tgttgccgat gcaggtggac gcgttcaaca agcgaccga ggcggcgagg 240
 gcgcacgtca aggaggccgc cgtgacggcg tccccaaag cgcggacggt gctggacctg 300
 tgcaacaacc tgtacctgga cgtggaggac aacctgggag cctgccgtcg ggccatcggc 360
 ttcaaggacg ccgtcaccat ccgcgccacc atgggcatg 399

<210> 22849

<211> 281

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G10

<400> 22849

cgagaaggca agccgaggcg gagccggaac gggaaggcgc cgaagcgttc gcggtcgcgg 60
 cttcgcgatt tcggcaggag gatcgccctt gagagcttgc gctgggtggt ggtggtggag 120
 cggcggcgaa gatgactgcg ccgcgcggtg gcggagatga gccgccggcg ttttcggctg 180
 cggcgggtgca cgcttcgggg aacgagccaa tgacgccgac ttccgcgctc gagtcgggac 240
 ttaaccgacc cggttcgagg ggtgcgggca tggccacctt t 281

<210> 22850

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G11

<400> 22850

gtgggaattg atcggacttt cttctcaacg cctcaacca acccaccgac cagcccgacc 60
 ggggggcggg gggcgatgga agcggcgggc aacgaccgga gggaggcggc gctaggcgcc 120
 ctctccgtgc tccctgacga ggtgctctgc gccgtcgtcg acatcctctc gcccgctgac 180
 atcggacgcc tcgcgtgcgt cagcagtgtc atgtacatac tttgtaatga agaacctctc 240
 tggatgagca aatgtctttc aatcgggggt cctcttgaat acaaagtttc ctggaagaag 300

acggcactat gtaggcttgg tctatgttca gaaaataagg agatttggca gaagcctcgt 360
cagttcgatg gctttaattc tttgtatcta taccggagat ggtatagatg ttttactact 420
ttgaatagtt tttcgc 435

<210> 22851
<211> 383
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-G12
<400> 22851

ccgccccccg caggagcacg gagcgggtacc cgtcgcggct gtccagcggg tcggacggcg 60
tggaccagca gcagcagcac agcttcgagg cgtcgcgcac gccagccgg tggggcgact 120
cgttcggcaa cgacagcacg tcgcactccc agaccagcac ctctcatgg tgctcgcagc 180
ctccggacga gatggaggcg gagatgaagc ggctcgcggct ggagctgaag cagaccatgg 240
acatgtacag cacggcgtgc aaggaggcgc tgagcgcgaa gcagaaggcg ctggagctgc 300
agcgcctggaa gatggacgag gagcagcggg cgcaagagac gcggctgacg gaggagtcgg 360
ccatggcgct catcgagcag gag 383

<210> 22852
<211> 216
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-G2
<400> 22852

cggacgcgtg ggcggacgcg tggggactat gtcgagtaaa ttacagtttc aaatcgacat 60
ggcttagtca tttgagcagt gttgaatgga atctgaccac agaaatatat ctgactagat 120
ataataacag ttgtagacat ggtacaaaac acacgaacca ctgttcccga ctgtttaaat 180
atcccaaata atacgaacca ctggacactc gcgttt 216

<210> 22853
<211> 377
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G3

<400> 22853

cactcacccc gccttcacgc ctccctcacc aaataaggct cgcgcccttt cgcacattca 60
cagggggggac aggaaatcag cggccatggc ctcgattccg gcgacgacct tcgccgtcat 120
cttatccgtc ctcttctgtg ccgcgggtgg caccgtcgtc gacaacgacc tccccgacta 180
cgtcatccag ggccgcgtct actgcgacac ctgccgcgcc gggttcgtga ccaatgtcac 240
cgagtacatc gcgggcgcca aggtgaagct ggagtgaag cacttcggca ccggcaagct 300
cgagcgctcc atcgacgggg tgaccgacgc gaacggcacg tacacgatcc agctcaagga 360
cagccacgag gaggaca 377

<210> 22854

<211> 447

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-G5

<400> 22854

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcttt gttcttttga gtcacagggg 60
ttgaccattg ttgatatttc agcaaattcg tttcctcaaa cattagattg gcttcacagc 120
tatcttcttc agtgcacga gcgaggtctt ttggctgcgt gtttagaaag ctgcaatcaa 180
ggatcaatgac actcttggat gtaacctgtc caaccacacc tcagtgggca ttatatgctg 240
gcaatggaca ctaagaatat cattgtaaag gattacgcat gagtctggat atcatctnca 300
accaagaccg atgtgaaaat accatcgtga tgttgtcaat accagccata agcgtggggtc 360
tgtctgattg gggttactcg cattaatatt gtactggatg gtattagagg ntatgccgca 420
tactcataat ctgaatanga taacaaa 447

<210> 22855

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G6

<400> 22855

cccacgcgtc cgcccccttg caagtatagt ctcgggcggct ctagaagacg atgggcaagg 60
acgacgtgat cgagagcggc gctggcggcg gcgagttcgc tgccaaggac tacacggacc 120
ctcccccggc gccgctgata gacgcggctg agctggggtc ctggtcgtg taccgcgccg 180
tgatcgccga gttcatcgcc acgctgctgt tcctgtacat cacggtggcc accgtgatcg 240
ggtacaagca ccagacggac gcgtcggcgt cgggtgccga cgcggcgtgc ggccggcgtgg 300
gggtgctggg catcgcttgg gccttcggcg gcatgatctt cggcctcgtc tactgcaccg 360
tcggcatctc gggggggcac atcaacctcg ccggcacctt cggcctctcg ctggcgcgca 420
gggtctccct ggtgcgcgcg ctgctctaca 450

<210> 22856
<211> 467
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-028-Q1-K1-G8
<400> 22856

atgagtactg ggtgatatcg ccgccggcgc tgctgcacca gccggcgtcc accatcgteg 60
tggccatcga ccgggaccgg aacagccaac tggccgtgaa gtgggtggtg gaccacctcc 120
tctccggcgc ctctcaaata gtcctcctcc acgtggccgt ccattaccac acgacccatg 180
ggttcgccat ggttgagacc acgcaggggtg cgctggaggc tgaaatgaag gagatctttg 240
tcccctacag aggattcttc aaccggaatg gggtaaattg ggaagtatcc gaggtagtat 300
tggaagaagc agacgtgtcc aaagccattc taggttacat cactgcanac aagatccaga 360
gcattgcgct cggcgggagc aacagaaatg cgttcaccaa gaaattcaag aacgcggacg 420
tgccgtcgac cctgattgag tgcgcttcag actactgcaa catctac 467

<210> 22857
<211> 434
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-G9
<400> 22857

gtttgagctt tcatcgtcac taaattcttt ttcccttgc tcttgcactt agtgaggtgg 60
 tggcttcgaa atttgaatgc ctcatcttta ttctctcat cttctctgtc tttctcatcc 120
 ctttccacat gtgtgactac tgactacatc acctaatact taggttgagg ttactccttt 180
 tagccctgcc tctcacaatg attgtgacta gagtgtcaaa tcttggaggc aagcacctta 240
 agaaccagc atattttgct ctcttgtgtg ttctctagaa acatttgggtg gcagggtgtgg 300
 tgtaaagtgg ggctgcatta cctggcacct gggcctgaga acatgatttt ccaagattgg 360
 tggagcaatg ccgaaggcca ggtttttaaa gagaagagaa aaggttttaa cacgttggtta 420
 atctctgtgg cttg 434

<210> 22858
 <211> 402
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-H1
 <400> 22858

gcgtacatta agcagagagg ctatgacctt tacgacgtga aggcttatgg acagatgctg 60
 gaggatgctg gttttcataa tgtcatcgcg gaagatcgca ctgagcagtt cttgaatgtt 120
 ctacagaggg agctaggtga agttgaaaag aacaaagacg ctttcctggc agacttcacc 180
 caggaggact atgacgacat tgtgaatggc tggaacgcca agctgaaacg gagctctgcc 240
 ggcgagcaga ggtgggggtt gttcattgcc accaagtgat ttggcctggc agcatgaggg 300
 ctcttcggaa taagaatgga tgtggctctt actctgctgc tagaccagtg atgggtcagc 360
 ttagaagcag gggatcttca tcatcagaat aaaacgtgtg tt 402

<210> 22859
 <211> 283
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-F5
 <400> 22859

aggacgcgtg ggcggactcg tgggcggact cgtgggcgga cgcgtgggcg gacgcgtggg 60
 cggactcttg ggcagacgcg tgggcatcag ccaagtgtaa agagtgcgaa gaagcagtag 120

caaaaggatt ccattctcga gttcttggag tggtagatcg atcgagctgc gtgaaagata 180
gagagagaga gcttgctatg gttacagcag gtaaggtgat caagtgcaga gccagtgtgg 240
cataggacgc cggcaaaccg ctgtccatcg aggaggtcga ggt 283

<210> 22860
<211> 358
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-D8
<400> 22860

cccgaaacaa aagaagctat tttagacacca cacacacaca cacagaggag agacgataag 60
agaacgaggg gcagggcagc cagcgccgct agctgaagca aggcagggca agagaatccg 120
tacgtcgagg tgcaggtcgt aggtaggatg gacgcggacc agcagggcgt ggttgcggcg 180
gcggtgaagc cggcgctggc caaggggacg ccgctcggcg cgttccggct acgcaacggg 240
agcctgaacg cgggtgcgcct ggcacgagtg ttcgacctgt tcgaccgcaa cggggacggc 300
gagatcacccg tggactagct gtgcgaggcg ctggatgcgc tgggcctgga cgccgacc 358

<210> 22861
<211> 343
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-E1
<400> 22861

cgatecatct tgggcgggcg ccgcgcgtct tgggccagcc aaagcttgcc atggcgggcg 60
ggcggtccga caggtgccac caccaccacc gccgctccga ggcgtcgtgt ccggcaacct 120
ccgcggccgt ggcggcggcg agggccgatg acgccttcgc ccagcgcccg cgggggctcg 180
tgcaggtccg ggagcgggac cagggcccg cgtcgacggg gcaccagcac ctgcaccacc 240
atcaccacca gctgcggcgg tcggggcggt tcccaccccg ccgtccggtg cgggggctgc 300
cgctttctca gcgctgcgaa agctaccttc acatcagggg gca 343

<210> 22862
<211> 433
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E11

<400> 22862

ggaccgatca ccgcacgccg gtgtgcgcgt gcgtctggcg cacggccggc gtcctcctcc 60

caacgcgccg gaaataggca ggcggtgcat gcatgagcag gaagaggaga gaaggaggcg 120

gcggcggaag aggcgctggg ccggtggacc atcacggcgg cggcaagggg tcggaggccg 180

gcgctgccgc caccgatgcc gtgtccatgg acggcggcct ccgcgaggtg tctgtccccg 240

tcgtcttctc ggtttggtgc ctctcttccc tctcgcatc ccagtctctc cacagccagg 300

ccgacgacga cccttcgtca gagttctacg aggagcacgg catgcgcgac agctactgca 360

aggtgaggcc gttggaggcc tacgtgctcc cctaccataa cgactcgtgt cagtcctcct 420

actcgactc aca 433

<210> 22863

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E2

<400> 22863

cccacgcgtc cgcaccactc tcgcagggct gtaccggtac cgtctagggg acgtggtgca 60

ggtggccggg ttctacaact cgacgccgaa gctcaagttc gtgtgcgcgc ggaacctggt 120

gctgagcatt aacatcgaca agagcagcga gcaggacctg cagctggcgg tggacagcgc 180

ggccaaggtc ctggcggcgg agaagctgga ggtggtggac tacagcagcc acgcggaggt 240

gtcgcgcgac ccgggccact acgtggtggt ctgggagctg aacgccgacg ccggcgacga 300

cgtgctgcag agctgctgcg acgagctgga ccgcgccttc gcggacccgg gctacgtcgg 360

gtcgcggagg gcgcgc 376

<210> 22864

<211> 277

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E3

<400> 22864

gggggtgtag gcgggggcgg cggccttggt acaggtggag gaggtggcct tggaggtggg 60
aaaggtggtg gacttggcgg aggtggtggc cttggcagtg gaggtggtgc aggcgtaggc 120
ggtggtcttg gagggggtgc cgggtggaggc ggcgaccttg gaggtgggaa aggtggtggc 180
cttggtggag ggggtggcct cggctgcgcg cgcgtccctc tcttcggcgc tctcgtaccg 240
cctcgtcgcg tccaagccct actctttctt ccccacg 277

<210> 22865

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E4

<400> 22865

gtccctgtcg tctcgcgccg gtttccccgg tttttgagag gggaaagagg aggcggagga 60
gagggatggg gagggacgag aggttccccg tgtgggaggc cgcgctcggc gccggagtcg 120
ccgcgcctt cgcgctgga ctcgtcgggtg tctacctttc catgccggac tccgactaca 180
gcttctctaa gttgccacgt aatctcgagg aactccaaat cctcactggc catcttgaga 240
actatactag tgactacacc ctacaggtgt tggtaggtta ttgcgctgtg tacatcttca 300
tgcagacctt catgatccca ggggcaatat tcatgtcact gcttgctggg gctctatttg 360
ggcaactgcg tggccttgca ctggtgggtc tt 392

<210> 22866

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E5

<400> 22866

gattcaactg atgatttagt gaacgttgat tttatatcac ctgcctttcc tattggtggt 60
gtaacagaat catcaattag caattcagtt gctgagaatt cttcaattaa tggcactcca 120
aggttagttt ctgcaatgaa aggaactcgt gcgaagaagg gaatcaaaac aaagctgagc 180
gtttcatggg cactgatgt atatgacca cctattactt cagactcgca cattgtgaaa 240

gggcaccgta agagttcaac taagggtaac tacaaataca agtgttccaa gagcagcagt 300
agcagtaacc acagtaccac tggaagcaaa aaggacaaga agcattctag gcaccgtagc 360
aacaatgagg gtggcaacaa aagg 384

<210> 22867
<211> 379
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-E6
<400> 22867

ggattccatc cacaccgtcg tgcaccactt ttccccgcac ccaccacgcg gcgcgcgccg 60
agcacgacca tggcgtcgcc gtccatcccc gccgctctcc gccaccgcga cctccccgcc 120
gatggaggac ttcttttcca ctogtccggc gacccaaccg cgcgctcctc gctctcgttc 180
aggataggag acatgacaat gagaagggtg cagacaggtc ctggtcctgt tttggctgca 240
aggagtcctg gtttgggcaa cgttgacaat ctccatgaga gttcaagctt atctaggagc 300
tgggatttga acagacagat tgatgatgac cgtgatgtac tcatagaatg tagagatgtc 360
cataagtcac ttggagaga 379

<210> 22868
<211> 301
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-E7
<400> 22868

cccacgcgtc cgcggacgcg tggtgccct tctctcaccg ccacatccgt cctgaggcga 60
ggccacctac ccggcgtcca ctcggtggcc ggtcgccggc agccggggcg ggaccgcgtc 120
tcggtgcttt ctccagcgat cccgcgcgcc cgcgtttcat ggcgtaagtc ctccagtctg 180
atctaaaaga ccccaatct tatgtgctg tactgctgta attacatatt ggcgatatcg 240
cctttgtgtc aagagaacag tgcttgggtt ttggggttca acaatggagc agggatctgg 300
a 301

<210> 22869

<211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-E8

 <400> 22869

 attccaatca atcggaccga caccggctaa ccctagcttc tgtttggtg ttgccttgcg 60
 ggtggcggtt gctttggtgc gctgctcagt gcgctccgtc cgcccgctga ccggaaggcc 120
 gtcccttggt cctgctcgt cgtcttcctc gggcgctcgt ctctctcga acgcgcgcgg 180
 gccgccgacc tgcttggtct cctggaggag cgcgcccggc gggcaggcga cgcagtcag 240
 cggcggtgtt aggaagaagg cgagcgaccg gtggatcccc gtccagcgt cccctgctcc 300
 tcttctcgtg gtcggcgct cgtcatccac tcttctcca gccctccatc tgatccccgt 360
 acgaccgtgc cctgctcgtc ttctggtgc tcgggtgctc cagtgtcgtg cccctgctgc 420
 agtgctgctc ggacgcgtcg gcacct 446

<210> 22870
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-E9

 <400> 22870

 cccacgcgtc cgcccacgcg tccgccacg cgtccgatca ctacgttctg caaaacggtg 60
 ttctagaaga gcaccagcta gggagcagaa taatgaacat actcagagtg agcagcttca 120
 tggttctgca agtgagcagc aagctagaga gcaacttcat ggttctgtaa gtaaacagca 180
 aactgaagtt ctctgctcca atgtcagcag tggcgatgcc tcaaaatgtc attttggccc 240
 tatagttact cagaagctga aggaacattt tgaaaaagat ccatatcctt gccgtgcaac 300
 aaaagagggg ctggcacaag agctaggact gacatttaat cagatcagta agtggttctc 360
 tgccacccat cattattcaa gagatgctgt tgccaagaac caaaaatacc caggagaaaa 420
 tactactgag aataatagt 439

<210> 22871
 <211> 436
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F10

<400> 22871

gttctagatc gcgagcggcc gctcgcgcca cgtacgtacg gtggtcacat cgctgtcgac 60
cgcgcgcggtt gggagcgcac ccggccgtgt gcattagccg cccatggacg acacggagag 120
agaaaaggag aaggagaagg agaaggagaa ggagaagcac gactgcggga cggacgtcga 180
ggacgaagaa gaggacgagg aaggcaacaa gcgcgtcgtc gtgcttggcc cccaggtccc 240
cctcaaggaa cagctcgagc tcgacaagga cgatgagagc ctgaggaggt ggaaggagca 300
gctccttggg caggctcgaca ccgagcagct aggagaaact gcggagccag aggtcacggt 360
gctggacctg acgatcctgt cgccgggcaa gccggacctg gtccttccca tcccgttcca 420
ggcggacgac aagggc 436

<210> 22872

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F11

<400> 22872

cccacgcgtc cgccacgcg tccggcatcg atcacgacaa gatggcgtgc acaaacaatg 60
cgatgagagc cttgttcctc ctggctcctt tctgcatcgt gcatggtgag aaggaagagt 120
caaagggcat cgatgcgaaa gcgtccgggc ctggtgggtc cttcgacatc accaagttgg 180
gcgcctccgg caatggcaag acagacagca cgaaggctgt gcaggaggca tgggcatcgg 240
cgtgcggcgg cactgggaag cagacaatcc tcatacccaa gggtgacttc cttgtcggac 300
aactcaactt cacaggccct tgcaagggcg acgtgaccat ccaggtggat ggcaatctgc 360
tggcgaccac ggacctaacg cagtacaagg accatggtaa ttggatcgag attctacgtg 420
tgataacct ggtc 434

<210> 22873

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F12

<400> 22873

acgccgccgt ccacagagct gtcagcagca gtcggcgtga gatgcgggag aggccgagga 60
agcacaagaa gaggggcccg tgccgggcga cgaaccctat cgacaagtgc tggcgctgcc 120
gcagagactg ggcgacggac cggcagcgcc tggcccgttg cgccagaggc ttcgggcacg 180
cgaccaccgg cggcctcggc ggcaagatct acgtggtgac cgaccccacc gacctcgacg 240
tggtgaacct gcgccccggc acgctgcgct ggggcgtcat ccagcccggc ccgctgtgga 300
tcattcttcg gcggtccatg atcatccagc tctcgcaaga gctgctcatg agcagcgaca 360
agaccatcga cgggcgcggc gcgcaagtgc acatcgccaa cggcgccggg atcacggtgc 420
agctggcgca aaacg 435

<210> 22874

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F2

<400> 22874

ctccctctcc gtcccccaag caaagaaaag aagctagcta gctaggcgta gaacgaatga 60
cgacgcaggg cggcaacagg tcgacgacga cgctggtcgc cgccgtggcc gtagttctgg 120
ccgtggcggc ggcgtcgtcc ctggccggcg tggcgctcgc ggagaaggcg ggcgggttcg 180
tggtgacggg gcgctgttac tgcgaccctt gccgcgccgg gttcgagacg aacgtgtcca 240
ggagcgtggc cggcgcgacg gtggaggtgg tgtgccggca cttcggcgcg tccaaggaga 300
cgctcaaggc ggaggcgacg acggacgaca gcgggtggta caagctggag atcgaccagg 360
accaccagga ggagatctgc gaggtggtgc t 391

<210> 22875

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F3

<400> 22875

caagacaaaa catggctgtg aatgtgagaa ccatgtggtc gtcgatgcgg gcacaggttg 60
cgatggttgt ggcgttggtg ttcttggtga gcggcgcatg gtgcggtcct cccaaagtcc 120
ccccaggcaa gaacatcacg gtcacctatg gcaaggactg gctggacgct aaagcgacat 180
ggatatggcaa gccgacgggt gccggtcccg acgataacgg tggcggctgc ggggtacaagg 240
acgtgaacaa gcccccttc aatagcatgg ggcgatgcgg caacatcccc atcttcaagg 300
atggtctggg ttgtgggtcc tgcttcgaga tcaagtgcga taagccctgt gagtgc 356

<210> 22876

<211> 107

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-D7

<400> 22876

gtagcaaacc aatcaaaaag aattgctact tctgtgaatg atttctgggc actagtggag 60
cttttgaatg gcaacttccc agggactacc tttgtgagtc cccactg 107

<210> 22877

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-C11

<400> 22877

attttactaa tcaaattctt gttgggatat attcctccaa ttccccctct gtccccagca 60
aggcaacaac aatctgttcc ggccgcaaaa caaaacaaaa aaaaaaacac actgaaccca 120
ataatccgat cccacagaaa cttttctctc ggtccgttcg atcgatcgct gccgtgtcgt 180
ttgccagaca ccatcagcac ccaaaacat gccctgcaac ctggctcagt gcgccaccgc 240
cgccgcgggc accgtcgcgc cccgcacccc tcgccctgct gcgtccgcgt ccgtctcctt 300
ctccgcgagg aagccggcgg gcggcagcct ggggtgcag cggcaggcgt gctgcgagcc 360
gtcgggtggc cgcgcgcggg cgggtgttcg ctgccggggc gcggcgtcng ggagcgcggc 420
cgacctggcc 430

<210> 22878
 <211> 210
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-C12

 <400> 22878

 aaaaaacaaa acaaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagataataa 60
 caactaaaca acaaattatt ccctctatca ttcaatccca cttatttatc atacttaacc 120
 caataatcca ttccacata aactcatctc tcagtcgaat ctaacgatct ctaccttttc 180
 aattaccata catcatcttt acccaaaacc 210

<210> 22879
 <211> 251
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-C2

 <400> 22879

 cgccgtcgtg cgagagggag gagggagctc tggacctccg tggggcgtgg aggagtggga 60
 cgacgcacgc cgaggcagcc ccggtcagtt gctgctgtat ccgtccagga tcgngngaatt 120
 tccaggaggc angaaggaaa gttgagtgtc acatagctga gtaccacagg tgatagattg 180
 atggctggcg ctttggctga ggacaatgct ggggatggta gatcctcatc aactgaagag 240
 atgtcaagtg a 251

<210> 22880
 <211> 383
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-C3

 <400> 22880

 gctccccgag atcaggaaga aactcttcag ccagcgagta tcgtcctaatt gttttttttt 60
 tgttactctg atcgattgtt ttctgaaata aaccagaagc ggtccgatcc tacgaagata 120
 cacaggctct gacattgggt gaagcccgtg tgtgcacgtt tcggatttcg caacatcgat 180

ttgagcttca acagttcttc gctagcttgt cggtagaggc ggcaatggct gaagttgagt 240
 ctgtatcccg gtggataggg gacctccgcg accgttaccc tgagtcgagt tgtcacagtc 300
 tgtatctatc gctcctgaaa cctgangggc ctgtattgtt tgtcaagcac ttttgtttct 360
 tctcttctgg ttgtaggcta cta 383

<210> 22881
 <211> 297
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-C4
 <400> 22881

ttctggttcc ttaagtttgt gggccgtggc tatttaatct ccaactgcat cccagaaga 60
 gctcgtctag atgagagact gggaactccg ggattgggtt ggataagggtg ttctgggaat 120
 ggggaaccaa tgcccaaacy ggacccttgg gagtgactac tacaaccgcg ccgcttccag 180
 gttecgctgat ggttgccttg aggacgatcg ctactctgac ttgaagaagt ttgacaagcc 240
 atggcctgag gtgaactcgt ttaagccac tgctgttggg attttgaaga ggggatt 297

<210> 22882
 <211> 366
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-C5
 <400> 22882

cccacgcgtc cggaataatt ttactaatca aattcttgtt gggatatatt cctgcaattc 60
 gctcctcctt cccaacaagg caacaacaat ctgttccggc cgccaaacaa aacaaaaaaa 120
 aaaacacact gaaccaata atccgatccc acagaaactt ttctctcggt ccgttcgac 180
 gatcgtgcc gtgtcgtttg ccagacacca tcagcacca aaaccatggc ctgcaacctg 240
 gctcagtggc ccaccgccgc cgcggcgacc gtcgcgcccc gcaccctcg ccctgctgcg 300
 tccgcgtccg tctctttctc cgcgaggaag cgggcgggcg gcagcctgcg gctgcagcgg 360
 caagcg 366

<210> 22883
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-C6

 <400> 22883

 accaaaccga cgatggcgtc gaataagacg gtcctcatcg tcgcggcgat gcttctcatg 60
 acgctcgtgc tggaggccgc ccctccggcg accgccatgg actgcaaggc cgggtgtgac 120
 gaggtcacgg gccactcca catgagcatg gaggactgca tgaagaggca ctacaacaac 180
 atcgcgctg cagttgctcc ggctaatagca tgaccggccg gggggtggga gggggcttcc 240
 gaccgttgct ctggggctgg gccgatgaga catgatgaca cttcagtgcc aaccatgcat 300
 gataccgtgt ggtagattat gtgcaacgtg ttcattgctta ttttaattctg tgcttgagca 360

<210> 22884
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-C7

 <400> 22884

 aaaaggaaaa gaaaaggcag gagaataacg aagcaagatc tgccgcggct ccattttaac 60
 tggctgggcg ctccgccgct gccgtcttcc ccctctcccc tccgtaccac tcgtcttcgt 120
 ctagecctccc gcccgagcc accatggcac cgggcctcta caccgacatc ggcaagaaaa 180
 ccagagattt gctgtacaag gactacaaca cgcaccagaa gttctccctc accacctgct 240
 cgccccatgg catcgcaatc acagctgcag gaacaaggaa aaatgagtcc acctttggcg 300
 aatcttcaca ctcaaattaa gaacaataaa ttgacggctg atgtccaagc gaactcagaa 360
 tcagatcttt tgacaacaat cactgttgat gagattggta cctcagggct caaatc 416

<210> 22885
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-C8

 <400> 22885

aggggtttatg tcagttctgt tgaggaaata ggatttcatt tgagcagata catgatgtca 60
 agctgactta gcagaaccct tctgtggttg gatgcagaac ccttctgtgg ttggatgctg 120
 gttgctgggtg ttgcgatctg ttgccacctt gtttattgtt atagtagtgg ccataaaatt 180
 agctggttca tgtgtgtatt ccagtttcat agagaaagga catgttggtc gtagtagggc 240
 taatttgaca ttatggttac taattattct ttaaactatt tgagtacacg tgtgtttaca 300
 ctgggacata taattacata ataacttata ttctaaatgt gtcttatatt gttataagaa 360
 aatggttcat aatccatttg gtatccttgc catacattaa atttggtttt taaatttagt 420
 tgtttcactt cct 433

<210> 22886
 <211> 432
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-D10
 <400> 22886

ccaatccaaa ccagacaagc aaggaatccc ccgatggctc atcgcgttct cctcctcgtc 60
 tctctcgcgt cggccgccgc ggttgccgcc gccgtcgacg cggaggaccc gctgatccgg 120
 cagggtggttc ccggtggaga tgacaacgat ctggagctga acgcggagtc ccacttcctg 180
 agcttcgtgc agcggttcgg caagtcctac aaggacgccg acgagcacgc gtaccggctg 240
 tccgttttca aggccaacct gcgccgcgcg cgcgggcacc agctgctgga cccgtcggcg 300
 gagcacggcg tactaagtt ctccgacctc acgccggcag agttccgccg gacctacctc 360
 ggctccgca agtcccggcg cgctctctc agagaactcg gggagtcggc gcacgaggcg 420
 cccgtgctcc cc 432

<210> 22887
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-D11
 <400> 22887

cccacgcgtc cggatggatg caatcgacat ttctcactaa agataaagct gttgccgagg 60

aaagggccgc aaagctcggg ataaagctag aatggaccga cgacggcgtg aagacggtca 120
 tgggccccat ccccgcggtg aagtgggacg agagccgagg acggaagatc tggttcaaca 180
 gcattgtcgc cgcctacatt ggggtggaagg acgcccggaa cgacccacg aaggcgggtga 240
 ccttcggcga tggctcacc ctgcctgctg acgtcatcga cgcgtgcggc caggctcctag 300
 aggaggagtc cgtggccgtg ccatggcagc acggcgacat cctccttate gacaattggg 360
 ccgtcctgca ctcccggcg togttcgagc caccgcgtcg catcctcgcc togatctgta 420
 aatgatgtgt gtagat 436

<210> 22888
 <211> 432
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-D12
 <400> 22888

accgccctgc ttcccctctg gtgttgggaa tttgtgattt tgacatacga cctgtatggg 60
 tattttttccg gccggtgaag gatgatacca ggatggacgc gctgaagtgt aacaacaact 120
 gcgccccgcc ggaggagacc gcggaggacg ccgacgccgc cggggcgctc gtcgagaaag 180
 acgggttctc ggtcgaggac ttgttggacc tcgaggagtt tggcgagcct gacaaggacg 240
 gcgcccagca tgaggacgac gacgccccgc cggtagccgc cgcggccgag gagagggtcga 300
 aagacgaact gcagccgttg tcggtcgtga cgtacgacct cccgtcgccg ccgccggaga 360
 tggttgacct gccgtcgcat gacgtcgagg agttggagt ggtgtcccgt atcatggacg 420
 actcgtcttc tg 432

<210> 22889
 <211> 379
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-D2
 <400> 22889

agatgagggg gctggtcgat aatgggggaa agagctgagt tccctctgca tatataggcc 60
 ggccggggagg agactctggg gcatggggga ggaggagaca tgacatgatg gcgtcatggc 120

gagcgagtga tgcgctcttt cccagtcttc tcttgcgctg tactagctga cttttattgt 180
tactgcccta attctcaagg cagtgtctgt taaccaaatac tcatgcatag ttatctggtc 240
attatgtaat taggagcttg catttagctg cacgtttatg ttcctaataa atatctagct 300
gcatgtgtgt cgagcggttg tgcggccaga acaacgctgc gttcggtgtg cggctagggg 360
gtggtcaccg ccatgcagt 379

<210> 22890
<211> 383
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-028-Q1-K1-D3

<400> 22890
gcaaatacgaa gggcatacta tctgtgcgct tggggatgct gcggcatggc ctgtgcaggg 60
gcttatgagg cacttcaggc cagagttgga gcggaggatc cgcgagcgag ctgaaagggg 120
gctgttggcg gcttctgcat aatgtgccag ccatgttgcc cctgtactag tttcctgata 180
tcttctacc gaaataatac aaactgatgg agctcctttc tgtgtaagga aatgtagcct 240
tcttgatttc tttaaaccat catttatttg atgcactcaa gcagctgggtg aattttgatg 300
gactagataa actttccaaa gagaaacaaa ctcgaggggt gtaccgtgta tgctacataa 360
tattatngtg gatgtggatg tct 383

<210> 22891
<211> 414
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-D4

<400> 22891
gtgcaccacc ccgctcacct tccaggctgg taagggctcc aagcccggcc acttggctct 60
gacccccaac gttgccacca tctctgacgt ggagatcaag gagcacggtg gcgacgactt 120
ctcctttacg ctcaaggagg gtccgactgg cacttggacg cttgacacca agaccccgt 180
caagtacccc ctctgcatct gcttcgctgt caagtccggt ggctaccgca tcgccgacga 240

cgtcaccccc gccaatTTca aggcCGgcac cacTacaag accaccctca gcatctgatt 300
 agcctcttat gacgaatgat atttcaagag agtcacccg gcccatgtgc cagcgagcta 360
 atatttaatt gtgtttcttt ggatatattg agggaccaca cgagccaaga aaaa 414

<210> 22892
 <211> 383
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-D5
 <400> 22892

cccacgcgtc cgctcgtcc agtcgccgtg tgcgtacgtg tatcgaccaa cgacgctgta 60
 gtgctgagaa cagattgagg acacatggac atgacggagg aggcggcggc aggagcagga 120
 ggctcatcgt catcatcggg gaagccggtg atggtggtgg gcatcgacga cagcgaccac 180
 agttactacg cgctgaactg gacgctgcag cacttcttcg tcgccgggca accgcagcag 240
 taccagctgg tggTgctcac cgccaagccc ccggcatcgt ccgtcatcgg catcgccggc 300
 gtgggctccg tcgagctgct tgccaaggTg gagaccgacc tcaagcgctc cgtcggccgg 360
 gttatggaca aagccaaaga agc 383

<210> 22893
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-D6
 <400> 22893

cgtcacgcgtc gtgggccttc atttctccta gaaggTcgag aggagaagaa ggcgagacgt 60
 gcagtcgcgtc gggctccgat cgagaacagg gaagcaagag gctgctagat cgagctcatc 120
 aaccaaccaa gtcgtacgtc gtcagcatca cgaccggatg gcgcgtgccg cgtccagcta 180
 tgtatccagg agggggctct ccgcagcgat gacggTggcg gaggagtccg tgaagaaggT 240
 ggaggacaag gcggtgaagc tgggaactgt ggccaaggac atcgccagcg ccatggccac 300
 cacgacggag gagaagacgg cgttctggga acctgacccc gagaccggat actaccgtnc 360
 ggTcaccggc acgaaggatg tggacgccgt cgacctgcgc gccgagatgc tcaagcggag 420

gatgct

426

<210> 22894
<211> 233
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-C10

<400> 22894

aaaaaaaaa aaaaaaaaaa aaaaaaatat aaaaaaaaaa aaaaaaaaaa aaaggaaaaa 60
ggaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaata aaaaaaaaaa aaaaataaaa 120
aaaaatataa taatttttaa ttataaaaca tatggtatth taaaataaat aaaaataata 180
caatttatta tatcaaatat tacataaaat aagctataag aaaaacttaa aat 233

<210> 22895
<211> 316
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A3

<400> 22895

ataaagacga ttcactatcc tctgcaactc ttttgagggg ctgggaagtc acagtaatta 60
gacaagagga aacaactgag ggtcccttgg aaatgcaaat agctcttcca tcgatgcctt 120
cattgtacat catatccttt ctttatcaag catgtttgga gattcataag gttggagggc 180
acatcctgga caggattatt ttgcataatt ttgcttgga gctactgcag aaggtcatca 240
atatttatga aaattttctt tcatctgttg aatctgggaa ttctccggtt tcagagaaaag 300
gaattctgca aatact 316

<210> 22896
<211> 163
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A6

<400> 22896

aaaaaaaaa aaaaaaaaaa aaaataaaat tttaaaaaaa aaaaaaaaaa aaaaagaaaa 60

aggggaaata aaaaaaataa aaaaaaaaaa gggcggatgt tttgggggtc ctttttttgg 120
 ttccacgttt atgcaacttt ttttctattt ttttgtgtct cct 163

<210> 22897

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A7

<400> 22897

gcgatctcga ccaatggcgg caccaactgt ggtgctcatc ccgttctgcg tcaccgggca 60
 cctgacgtcc atgctccaag ccggcaagcg gatgctgatg agcggcggcg gcgacctggc 120
 catgtcgttc accgtgtctc tcgcgccact gccgatggcc aggttctcgc acatcgtaga 180
 gggggaggcc acctcgtgct cgggggttcga catccgcttc caccgcctac ctgacgtgga 240
 gctccccgcc ttctccggcc cggaggacat gatctccagt ttcattccagc tgcaggcgtg 300
 caacacctaa gcgggcattg tcggcctggt aagccccgtc gccggcgacg ttatggacta 360
 cttttgcacc acgtgttctg acgtc 385

<210> 22898

<211> 255

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B10

<400> 22898

catgaccatc ttcatgacc gcgacatttc gtctcccacc actgactcat ggaacctgaa 60
 ctagatctta accaccgtga tcgcgctcga cacctacata tccatcatca ctgacaacta 120
 cttatacctc accactaca ccaacttctt cacgaacgat ttatgattga attacatcaa 180
 ctagaacgac cagttaactt atgcatagc tatacctaca aaccatcatc atcatcaagg 240
 cgctcatctt caca 255

<210> 22899

<211> 244

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B11

<400> 22899

cccacgcgtc cgcccacgcg tccgaaataa actatgaatt agtgaattca aaaaaaagaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaagggggac ccttttaaag ggaaaaaatt ttgaaccgcc 240
gaat 244

<210> 22900

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B12

<400> 22900

ctcctcctcc ttcctcggcc aagcgaggag cgaggcgagg gcgcgagcgc gtcgttgaga 60
tggattcgga ggcggtgcag cacggctgcg cgcattacag ccgtgggtgc agcgctcgtgg 120
cgccctgctg cggccaggcc ttcggctgcc gccattgcc caacgacgcc aagaactcgc 180
tggaggtcga cccgcgcgac cggcacgaga tccccgccca cgaaataaag aaggtgatct 240
gttctctctg ctccaaagaa caggacgtgc aacagaactg ctccagctgt ggggcctgca 300
tgggcaagta cttctgtaaa gtatgcaagt tcttcgatga tgatgtctca aagggccagt 360
accactgtga cggatgtgga atatgtagaa ctgccggcgt ggagaacttt ttccactgtg 420
ataaatgtgg gtg 433

<210> 22901

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B2

<400> 22901

cggacgcgtg ggttgactc cagcctctcg tactggagag atgctgagat ttgttttgaa 60
caaggctaga gccctcaagt tgtactcagc tgcaaacactc catgcagaag gctacatgca 120

tgaggcgcgga gatcaaacaa cggatgcact ggccgcctac gtcaacgcgt tctcgaccga 180
gcttgagcat gtgccgtcca aggtggccat cggcgcaatg ctctccaagc aagggtcccag 240
gtttctacct gcagcgaggt gcttcctctc ggacgccctt agagtcgagc ccacaaaccg 300
gatggctcgg ctctacctag gacaagtgca caggctctga tgggaggatc tctgacgctg 360
ccgactgctt tca 373

<210> 22902
<211> 249
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B4

<400> 22902

gcgcactgca tgaggacgag gccagcgaag aagggtcacg gatgtgcgct gcagttgcgg 60
gcgcggcggt gaccgccgca gttggaggggt cggagcccga tggggcagcg gcacgcctct 120
gcaacagcct gcgggggtctc ggctcaaggg cggtcgggtgc acgtgcgggg tcaggtgaag 180
caccagccca cgccagcgac cgccaggacg gcccgcgccg acgcccctgg acagcccgggt 240
ctcggagtc 249

<210> 22903
<211> 484
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-028-Q1-K1-B6

<400> 22903

cggacgcgtg ggccgacgag tgggtgcatc tgtcaagctg cgcattccagc agttcaaggg 60
ctttgtggcg acgaagcaga ggcttgtgct ggatgggcat gagctggcaa gaaacaactc 120
cccagtcaag gattatgggc tggccgaggg aaatgttctg catcttgta ttcgactatc 180
agatctacgt gtgattaaca ttgagactgc aactggaagg aagtttcagt ttcaggggtg 240
accagagccg caatgttaag tttctcaaga ataagcttga agcagaggggt gatgaggata 300
ttggtaatct tgaggatcac aagcttgaat atgatggtga ggagcttgag gacaaccagc 360

tgatagctga tattagcaag aaggatgatg ctgtgattca tttattttatt cgganaccag 420
 caaaggtatg gacacaacaa gttgatggag atactttggt tacagttgtc aatccacagg 480
 gaaa 484

<210> 22904
 <211> 471
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-B7
 <400> 22904

gtcaccttca agaacatcac cggcacctcc tccaccccgg aggccgttag cctgctctgc 60
 actgccaaagg tcccatgcac cggcgtcacc atggatgacg tcaacgtcga gtatagcggc 120
 accaacaaca agaccatggc tatatgcacg aacgccaaagg gcagcaccaa gggttgcctc 180
 aaggagcttg catgcttcta gaccctccat cgactgaccc atctctctag ttataatttt 240
 tctctcgtcc ttgcattgcc cattagatgc tatccattgg taacgcacaa cagtaaaacg 300
 acagacatcc gacagctata ttatgttcga cgggtgaaca ccctgaattt gaggggtataa 360
 aattttcttct ccaaatacca accaaattca ggggttacct cttgtctctc tctctctttt 420
 cccttttgat taaaagtaag tgaattaggc gaggggttaa ttatttattt t 471

<210> 22905
 <211> 399
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-B8
 <400> 22905

agtacatcga ttctcccccc aagatcaaag gccggagaag gaggaagaaa ggtagggag 60
 tcggctatgg gatgcttttc atgctgctgt gtggcagatg acgacaacgt tggcaggagg 120
 aagaagcatg acgatecccta tgttcctatc cctgctcatg tttataattt tggacctagc 180
 cggttcccag cccaacccc tgtcatctcc actggcagag ctcagccaat tgcagtaccg 240
 gccattcatc tggaagagct gaaagaaatt acaaaaaaac tcagcagtga tgccttcatt 300
 ggcgagggct cgtatgccag agtctatttt ggtgtgctga aagatgggac gaaatctgca 360

gtgaagaagc ttgactccag caaacaggct gatcaagaa

399

<210> 22906

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B9

<400> 22906

catgaccatc tccaaggacc gcgtcaagcc gtcgcccacc cccgactcgt ggaagctcaa 60

cgagatcttc gccaccggca tcgtgctcgg cacctacatg gccatcatca ccgccgtctt 120

cttctacctc gccacagaca ccgacttctt cacggacgtg ttcggcgtga attcgatcaa 180

ggagaacgac agggagctga tggcggcgct gtacctcaa gtaagcatca tcagccaggc 240

gtcatcttc gtgacgcggt cccggagctg gtcgttcgtg gagcggccgg gcttctctct 300

gctcttcgcc ttcttcgccg ctacagctggg ggcgacgtgc atcgcggtgt acgccgactg 360

ggacttctgc cgcattccagg ggatcggtcg ggcgtggggc ggcgccatct ggatgttcag 420

catcgtcacc tacatccc 438

<210> 22907

<211> 308

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-C1

<400> 22907

ttgacgcgtg ggcaagttca acaagggtgc tttagctctg tagcggtatg catggcttcg 60

ggtgccggtg ccaccgtcac cggcagtgagg actcgctcat cattgctcgg tgagttnaac 120

aacgtgcctt cgatgatggg ggcgtgagat acgcttgcaa ctctaccag gtggctgcga 180

ctagggggcgt ggcttcggga ggcggcgact ccagctccat cctcacgacg actggtgggg 240

gccttcattt ttcgaaggtc cttaataaca cggctaacca tctgttttca gcatattatg 300

aagtatta 308

<210> 22908

<211> 319

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-A2

 <400> 22908

 cccacgcgtc cggccagcgc tcgcttctcc cgcgtcccgcc cctccttctt ttccttgtct 60
 agccgaaggc cgaagccact gtgcgcgcga gcgcgacgcg agaggtagct gctgctgtgc 120
 ccggcgcgcg cgtgcgtgcg acgatgtcgt cggcgggtga ggccgtctcc tgccccaagg 180
 tcgacgtccc cgcgcggccc gagccggggg agccggccaa ggaagcggcg ccgtccgcgg 240
 agcactgcga cacggcgccc aacggcaagt gcgcgccgcg ttgccacggg gaggaggagg 300
 acgacgacga cgaggagga 319

<210> 22909
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G7

 <400> 22909

 cgctttctct ctccgggaat ggcgtcggcg cgaggacctt gcggaattag tgtccgttct 60
 gacttcagtt cagcctgcct tattcacaag gctggagccc catcgaattc tgtttctggc 120
 gtgatggctg ttcaggttca ccgccaccgt aacaaggctc gcaatggcca agctatcagg 180
 tgtgcaatgg caactggaaa agagcagggg gcaatttcca ctgccagtag cggtgatcaa 240
 accaagggcg gtttgcgtgg aaaattaaac aaagttgttt tagcttatag tggtggtttg 300
 gatacatccg ttattgttcc atggctcacg gagaactatg gttgtgaagt cgtttggttc 360
 actgctgatg ttggccatgg tgccattgaa ttggaagggt tggagaagaa ggcaaaaagcc 420
 agtgggtgcat gtcagc 436

<210> 22910
 <211> 328
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G8

 <400> 22910

cacacggctg gctcgtgcc cgccggcttt taagagcgcg ctaggacagt aggacgcgaa 60
 cgagtctgcg gccagccagc aagcagtgcg agtacaggca tggcggctgc cggcggacgc 120
 gcggttgccg tggcagccat ggtggcgggtg gtggcggcgg cggtctctgcc tctgctcgcg 180
 tgtggcgggtt acgcggagtgc ctacgactac tgcttcaagg actgcatctc caaggacaag 240
 tccatgagag actactgcag ctacgcctgc gacaagacct gcgcgcccga cggccggcag 300
 cggcgccccg cggtcgttcc catgaact 328

<210> 22911

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-G9

<400> 22911

atgacgcgtg gccaacgcg tggacaacga catgcttata aaggacgcta ccgtgaccac 60
 tcacggggac agatacaaca cggatggcat gcacatggac cactaaccga acatcaccat 120
 caaccacacc ttcattgacg tagacaacga ctgcatctgc atctgtgccg actcctccaa 180
 tgtgaacaac accggcatga cctaaaaccc tggccaccgc atctgcatcg acaacctatg 240
 tcagtacaca gacaagatcg acg 263

<210> 22912

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H1

<400> 22912

cccacgcgtc cgcccacgcg ttgcgccaac cgtccgcca cgcgttcgcc cggcgtccca 60
 cagcgggtcc ccggggcccg gcgcgggcga cctgcggggc ttccacacgc agatgacccg 120
 gcgcggggagc agctccgcga cggctttgtg gaacaccgcc ttgtcctgcg ggatcagcag 180
 gtgctcgcgc agcctctcca ccaggaacct gccgaactcg ggcgggtcct cgtgcccga 240
 ctcggtgcgc acctccagga cgaccacctc ggactcggtc tcgcccagga accttgccac 300
 gtgctccagc accacgtcga cggggtagct ggccaggacg cctgggcata cgcggcgccc 360

cttctggacg cgcacgtcga ggacgcgcgc gccacgcgc agctgctcgt acacggacag 420
cgactggcac tgcgcgaagg ggcgggtcac gaa 453

<210> 22913
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H10

<400> 22913

tccacgcgtc cgtccacgcg tgcgagcata cactctgcc atgttgcattg aagaaagaca 60
aagatcaggt tgatgtcgta ggcgagaagg cctcattga gataaaaaag cagtacaaag 120
tgattgatgc aaagtttatc tctaagatcc caatgttgc tgagaagaaa caacactgag 180
agaggggtgct ccaaaggctc aattcagcac attaccaata tatgaaagta gttcctttgg 240
ctctgctata tcatcattta gcaaccttta agatgatacc atagatatta tatggattcc 300
taaggttgga aatttgtgtc tccgagtc cctagaatag ttgcttcttc ctgtctgaca 360
gtgaatttga ttctggatgg atgtgacata tatatgcctg accaattgtc attatttgc 420
attcatatat gttactgcgt gtatttaata gct 453

<210> 22914
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H11

<400> 22914

tctgtcttac actatcttcc tgatggcata cactctgcc atgttgtatg agaaatacga 60
agatcaagtt gatgtcgtag gcgagaaggc cctcattgag ataaaaaagc agtacaaagt 120
gattgatgca aagtttatct ctaagatccc aatgttgtct gagaagaaac aacactgaga 180
gaggggtgctc caaaggctca attcagcaca ttaccaatat atgaaagtag ttcctttggc 240
tttgcctatat catcatttag caaccttta gatgatacca tagatattat atggattcct 300
aaggttggaa atttgtgtct tccgagtc ctagaatagt tgcttcttcc tgtctgacag 360
tgaatttgat tttgtatgga tgtgacatat atatgcctga ccaattgtca ttatttgcta 420

ttcatatatg gtactgggtg tattttaatag c

451

<210> 22915
<211> 375
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-027-Q1-K1-H2

<400> 22915

cccggtcgac ccgcgtctc gtccacgcgt ctgcgtgcc tacagatgca caaggactgg 60
gtatcagtcc atccgtcaac tccgattggt gagcttnac accttaaccg tgttgtcgga 120
tggactgttt ccctgtccta cagatgcaca aggactgcgt gagagatgtc gcgtgggccc 180
catacctggg cttacaaaag tccaccatcg ccagcgctc tcaggacaga acggtcgtca 240
tctggacagc atcatgagaa ggcgagcagt gggactgcc gatgctgtat gatttcagaa 300
cccccgtttg gaggttgtc tgggtcactga ctgggaacat actggcggtt ttcgacagca 360
tcaactatgt taccc 375

<210> 22916
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H3

<400> 22916

cccacgcgtc cgaccaaacc gacgatggcg tcgaatgaga cggtcctcat cgtcgcggcg 60
atgcttctca tcacgtcgt gctggaggcc gcccttcgg cgaccgcat ggactgcaag 120
gccgggtgtg acgaggtcac gggccactc cacatgagca tggaggactg catgaagagg 180
tgcaaggaga tcgctgctaa gcaggggcct agggaccctt acaaggataa caaacttgac 240
atcccatgaa ctaattaatg ctctatatc atctgcctat ccatgcatgc attgcattgc 300
gtatgcacac tgtgcgtgcc tgcccacaaa gttcgacaac acaccgatct cgacggatgt 360
gtaatcgtgt cactcgatc gagagatcga tcgatgcttg gtattatatt tggatttcac 420
atta 424

<210> 22917
 <211> 485
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-H5

 <400> 22917

atttcttgca tttctccaaa cgcaggctca tgtgaacaca cactaaatac cttgagatac 60
 gctgataggg tcaaaagtct ttccaagggg ggaaacacaa gaaaagagca gcccacagga 120
 ccaactacca cttctagccg ggagtcttcg tcagctccat catattcatt gcctgctgaa 180
 gctgaagaaa ttcctaacca gattcaagag aagagaccag ttgataacta tcggaaaggc 240
 actgaaaatt ttacctcaa cccttccgcg gagcctgata gaaattcctt cagtatgggt 300
 ccaaattatt ctaataaagg gagagaagac aatgggtgcag catctggtaa tgatagggag 360
 aggtatgatt tgaagtccac ccaaactgct tacactagta aggcacagtt ggttcagaat 420
 tcaacatata cacaggagga gaaagtcaca aaagtctcac ctntctggag aaaggcttat 480
 aaaga 485

<210> 22918
 <211> 72
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-H6

 <400> 22918

aaaaaaagaa taaaatacaa caacaagcaa aatgtgaaca cacactaaat accaaagaga 60
 aacgctaata ag 72

<210> 22919
 <211> 481
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-H7

 <400> 22919

cggacgcgtg ggcggacgcg tgggtttctc agagattatt gtcaaagatt acgcatatcc 60

aagggcgatc gcattagcga tagctcaagt cctgatggcg atcgggcact tcaacttcgc 120
gatggcttgg cccgggacaa tgtacatcgg cacgctgctc gtcggagtag gctacggcgc 180
gcactggggc atcgtgccag ccgcagcctc ggagctgttc ggggtgaaga acttcggagc 240
gctgtacaac ttctcacgg tcgcgaaccc agcaggctcc ctggtcttct cgggggtcat 300
cgcgagtggc atctacgaca gtgaagcagc gaagcaggct cagcagcgcc acaactccac 360
gtcgctggcg atgagtggca gagggtgtg catggtctct ggagccgctc cgtcgttgaa 420
gtgcgagggc gccgtctgct tcttctctc atcgctgac atgtccgggt tctgcatcat 480
c 481

<210> 22920
<211> 401
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-027-Q1-K1-H8
<400> 22920

cccacgcgtc cgacaaaaga gagaaccggc ggcgagctag gagctagcca tggacggaca 60
cggcgcggtc tcgccgtgga gcgtgctagg cggggcggcg gctgtgctgt tctgttggtt 120
ggcgctgcag gtgctggagt gggcctggtg ggcgccccgg cgcgtgaacc gtgcgctgag 180
ggcgcagggc ctgaggggca cccggtaccg cctcctctgc ggcgatctca tcgaggagca 240
gcgtctccgc gcggcggccc tggcaaggcc cgtccccgtg gatcgaccac acgacttctt 300
ccctcgctc gcgcctttcc ttcaccgct cctncaagag cacgggcagc tctcgtttac 360
atgggttggg ccgaccccaa agagtctaata caccgatccc g 401

<210> 22921
<211> 422
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-027-Q1-K1-H9
<400> 22921

cggacgcgtg ggcggacgcg tggggcggcg cgtcggcgtc ggcgagctgg aggctggct 60

gcgctggcag gccgccgcc ggctggacgc cgtcacgcgg agggagatgg ctccgcacga 120
cacggaccgc gacggtgccg tcacgctgcg cgagttcttc gcagactgga tcaacatggg 180
acatgacaaa atgggggtggt ggatgcacaa gtttgcgagc gcggacagag acggggacgg 240
ctcgctcaac gccgtcgaat tcaacgactt cctgcctcct gaagacagca gccaaagagag 300
cgtgatgctg tggctactca aggacaagct aagcgagatg gaccacgacg gagacggcag 360
gctaagccag gaggagttcg tcgccaatc tcacatcatc atctccggcg cgcgtcacgc 420
cg 422

<210> 22922
<211> 355
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A1

<400> 22922

caggaatctg ttatttctac tgcctcaag ctctgcctga aaagcttgca agaatttgtc 60
cgtcttcaga ctttcaacag aagtggattt cagcagattc agctggatat ggaatttctc 120
aagacctctc ttaaggaatt tgtggatgat gaagcagcca ttagcttttt actcaaagag 180
gtgaacaatg ctgcccata gagatgtctt gacccaatcc ctcttgagcc ccccatatta 240
gataagctca taaatgcaaa actagcaaaa attaaagaga gaaacccaaa tatgcggtag 300
ctatgcacag attggtgtct gttactagaa ttcaggtctg tccatttgaa tgcac 355

<210> 22923
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A10

<400> 22923

gccggggatc cgcgataagg cgaactccaa gttggcgctt agagaggagc aatacagcgg 60
catgcttctg tcggcctaca aggagatggt ccgtcagctg tcctacttgg ttgaagcttc 120
ccattctatg cgccgttttt ctaaagcggc tccaaattgc cccatcacac agttttctga 180
ccgccaagat aatttgaatg attcagggga tgggtggagga gccccagtat tcaaatgggt 240

ctctgtatta gaatttgaga gtcttgccca ggagcttggt cagatgtttg tttcagagca 300
aaagttgaag aggctgctac tcttggaatt tctctcgatt gctttaagg aaggtgtaga 360
actccagaca tcattaaatt ggggtgatga actatatgat ggtgaatcaa ataaacttca 420
gagtattg 428

<210> 22924
<211> 303
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-A11
<400> 22924

cccacgcgtc cgcccacgcg tccgcccacg cgtccgataa cgatatattt atgacagggc 60
caacaataat ttgtaagcta aattcaagca ttttatttta tatttcaata aagaaaggga 120
gaaaagctac ctctgatca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa agaaaaaaaa aaaaaaaaaa agacaaaaaa aaaacaaaaa 240
aataatctga ctaagaaaaa aaaaagaaaa aagaagaac ttggtgagcc ttaatcttta 300
ggg 303

<210> 22925
<211> 243
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-A12
<400> 22925

aaaaaaaaaa aaaaaaaaaa aaaaaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaga 60
gaaaaaaaaa aaaaaaata taataaaaaa aaaaaaaaaa aaataggaaa tacggtggga 120
tggttttaag gttctgctg ataaaattcg gtgcactggc tttagaattc tattatgggtg 180
actggaaaaa ctgtggattt gcctaaatta ttgggcttgg aaaattgtta aatTTTTgca 240
gtt 243

<210> 22926
<211> 308
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-G6

<400> 22926

aaggactaaa ttattatact ctaaatacat atacatatat agtattaaca gagggatctg 60
ctggaaattg taaggtataa aaatttatga tctatagctt gtgctgggca caaccgcacg 120
agctatatat gtagtttggg taccttttta atttgtggca gagatggcga atttagtttag 180
gtatatacgt ttgctttttg caactttgca ttgctatatg gcaaattttg aagcatgttt 240
atctgttgta ctagctgaaa atgaattcgt tctgtgctaa caatgtattc aataaatatc 300
tcgattttt 308

<210> 22927

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F11

<400> 22927

agatgatgct gcacactttc ttgatgtcat ccgtgctgcc gaggaagcta atgtgtacaa 60
tgatttagtg aagtaccttc tgatggtaag gcaaaaggca cggaaccca aagtcgatgg 120
agaactcatc tttgcatatg caaagattga caggctcagt gacattgagg aattcattct 180
tatgccgaat gttgccaacc ttcaaaatgt tggtgaccgt ctttttgagg aagaactata 240
tgaagctgca aagatcatct atgctttcat ctcaaactgg gctaagctgg ctgttaccct 300
ggttaagctg aagcagttcc aaagtgtgt ggatgctgct cgcaaggcta acagtgctaa 360
aacat 365

<210> 22928

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F12

<400> 22928

cccacgcgtt cgagaaggct tcatcacatg ctcgggccat gagctatacg tgctggagct 60

gggacaactg gtggtggacg tgctcacctg cgtgacagtc catcgcagaa cgagcagcaa 120
 ggggccactg atgcaggcgc cccggagcac gtggtcatca tggatctatc ggtagtgctt 180
 ctgaacgtgt gctacgatgc agtgaccatt gctgtgtaca tctcccaggg caagctgcct 240
 agtgttcaac accggaatgc ttgagttacg cctgtgcctt ggcaattgca ctgtgaccat 300
 gcgcagactg atacataagc tctacggcgc gacatccact ctgtacttcg acgagacgca 360
 agtggccaat acgctgacga tgcgctctg 389

<210> 22929

<211> 260

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F3

<400> 22929

aaaaggctta tcgactaatg aatacatccc tttcttttgg atccatgctt acgagcacgt 60
 acagacggga ttaacatgtc tagctgctag gatcctgaga ttacgacgac aggaattaat 120
 ctttaagggtgt cattactatg tgtacccttg tactgcctga ctaaatcggg atgttttaca 180
 ttacacttac tgcagctttc gtgatagcaa agaggccctg ttccaatcgc acttcccaac 240
 atatgcacag gctgaacggc 260

<210> 22930

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F4

<400> 22930

cccgcgcgtc cgcccacgcg tccggcgcgc ggagcctcct caacccttca gacctccgcc 60
 tcccaccgct tccgtagcct cgctcgcct cgctcgcct cgctccttctc ctccgtccca 120
 accatgaggg agatcctgca catccagggc gggcagtgcg ggaaccagat cggtgccaag 180
 ttctgggagg tgatctgcga cgagcacggc atcgaccaca cgggcaagta cgccggcgac 240
 tccgacctcc agctcgagcg catcaacgtc tactacaatg aggcgggcgg gggccggttc 300
 gtcccgcgcg ccgtgctcat ggacctcgag cccggcacca tggactccgt gcgctccggc 360

ccctacggcc agatcttccg ccccgacaac ttcgtcttcg gccagtccgg cgccggcaac 420
aactgggcca agggccacta caccgagggc gccgagctca tcgactccgt gcttgacgtc 480
g 481

<210> 22931
<211> 307
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F5

<400> 22931

cccactcgtc cgagattcta cgcgtggaca accttgtcat caccggcaag ggaaagctcg 60
acgggcaggg gccagccgtg tggagcaaga actcctgcgt caagaagtac gactgcaaga 120
tccttcccaa ctgcgtggtg atggacttcg tgaacaacgg ggaggtgtcc gggatcacgc 180
tgctcaactc caagttcttc cacatgaaca tgtacaagtg caaggacatg ctgatcaagg 240
acgtcaatgt gacggcgccc ggtgacagcc ccaacacgga ctgcatccac atgggcgact 300
cgtcagg 307

<210> 22932
<211> 328
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F6

<400> 22932

gtcaggcaag cttccaagga tgacttggtg gccagtgatg gacatgagag tgataggtta 60
gccatgcaga ttagcgccag ccggctggat catgaccttc tggtctctaga catactactg 120
caagatactg cccaactcgc tggatgatgag acgttcgaga acaacggaga tgtgtcacga 180
gataactctg atcaacttca agctcatgca catgaacatg tacgatgacg aggacatgct 240
gatcaacgac gttaatgaga cgactcacga tgacatgaac gatactgacg acattcacat 300
aggcgactag gctggtgtca cgatcacc 328

<210> 22933
<211> 475
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F8

<400> 22933

cccacgcgtc cgagcaccta ctcttcccc gccgggcaac aactcagccg ccgcaaccgc 60

cacatcagcc atgggcgcct gcgcaaccaa gccaagacg cttgaggggc aggccccagc 120

tgaggccgcc gtctccacac ccaaggttgc gcccgaggcc actccaatct ccgttgaggt 180

tgcggtgat gaacaggtag ctgagaaggt ggtggtggag gagccggctg cggcgccga 240

cgttgagcat cagaaggcta atgaggtgct cgctccagag gcggccgctg ccgagccga 300

ccacaaggag gaggaagccg tggagaagac cgtcgtcgag gaggagaagc cagcggcagc 360

agcccatgca gaggaaaagg tcgccaccgc cgccgagacc acgacgactg tggaggcgaa 420

gaagaacgcc gaggaggccg ggatggagaa gctggcgag caaagctgat cgact 475

<210> 22934

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F9

<400> 22934

cccacgcgtc cgaaaaaaaa aaaaaaaaaa atacataaag acctacaact aacaacgata 60

aggaggagct aaactcgact aacctcgaca taaaccttat cgtccgtccc taccatgaat 120

gaaatcctgc acatccatgg cggtcagtgc gggatccaga tcagggccaa gttatggcaa 180

gtgatctgcc acgagcatcc aaattgacca cacgggcaaa cacggcggtg actccgacct 240

acagctcggg cgcataaaca tctactacaa tgaggcctac tggcgagaa gccttccgcg 300

cgccgcgctc atagaactcg agcactgcaa catgcacttg gtacgctccc tacactacg 359

<210> 22935

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-G1

<400> 22935

tcgcccacgc gttcgcgctt cttcttcttt cattttcata tatagaccct aataggacca 60
agagcgtcga tgataacctg gctaatttgg gaatcaatcc aattccaacc caaaggcacc 120
gagcgtgata tccgtacgtg ccgtcatggc ctgcgaccgg gcgctgctgc tgctgctcct 180
cgccgctcgcg ctgcgtcgtg cgctggccgc tgtcgcatcc gccgacgacg ccaacgccaa 240
gcccaccatc ctgacccccg tggcgcatat cccgctgggg tccttcgacg gcgacaagcc 300
ggcctctgac gacgacgccg tcgacgacga ctaggacgcc gtcctgtcgc gcgcgcccac 360
cggtgccacc atgact 376

<210> 22936
<211> 64
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-027-Q1-K1-G10
<400> 22936

tgcaatgcga gccttggtcc ttgtatcgt cttgtgcacc gagcatttcg agaaggccat 60
gtca 64

<210> 22937
<211> 440
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-027-Q1-K1-G11
<400> 22937

cataagcgga aataagcgat tcaaatcact attctcccc atggaactac aatcccaagg 60
atgggcggag cgggtaacct ataaccagg aggaggccat gaaagaacta attgaagtcg 120
tcacgaagac aaagccggac aacttcacta ctgcgatagt agagaaaaaa gatgattata 180
tccgagttga atatgagagt cctatatattg gggttgtaga tgatgtggag ttctggctcc 240
cttctggcaa caagaccatg gttcagtatc ggctggcgtc tcgatcagga tttatcgata 300
tcaatgccaa caagaagaga gtaaaggagc tgagattggc tttggaaaag aacggctggg 360
cttcaaaaag caacttctga attgaagtga gaagtgtgga agacgtgcaa gtgcatgcta 420
cttagacgag ccagcacaac 440

<210> 22938
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G2

 <400> 22938

 tcgcccactc gtctcggcct cgaggagga gacgaggccg gcgacgttgg agtggacgta 60
 cgccggcggg ttctccatgg catagcgcac gtcggcctgc gccgcgaggt ggagcacgtg 120
 ggtgaagggc acgacgtcga agagcttggc caggaggcgg ccgtcgttga tgtcgccctc 180
 cacgacgaaa ctcgtcgtgg ctgcccagca ggcgcgctg cgccttcttg agcgaggggt 240
 cgtagtagga gttgaagctg tcgatgccga cgacgccgac tcccggatct ggcgtccca 300
 gtgcaaccgc cccaggagc cccggatctg tcgcgcccg tgctggatcat gtccactcc 360
 agcaaccgcc tctaccagtc gccgcgcac cccgtgctcg tcatgtcccg ctccagcaac 420
 cggctggacc agtcc 435

<210> 22939
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-G3

 <400> 22939

 cggacgcgtg ggcggacgcg tgggcaagga catgctgac aaggacgtga ccgtgacggc 60
 gcccggggac agccccaaca cggatggcat ccacatgggc gactcatccg ggatcaccat 120
 caccaacacc gtcattggcg tcggcgacga ctgcatctcc atcgcccccg ggacctccaa 180
 ggtgaacatc accggcgtga cctgtggccc tggccacggc atcagcatcg gcagcctagg 240
 gcggtacaag gacgagaagg acgtcacgga catcaacgtc aaggattgca ctcttaagaa 300
 gacgatgttc ggcgtccgca tcaaggcgta cgaggacgcc gtctncgtgc tcaccgtctn 360
 caagatccac tacgagaata tcaagatgga ggactcagcc aaccccatct tcatcgacat 420
 gaagtacttg cccaacaa 438

<210> 22940
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-G4

 <400> 22940

agatgatgct gcacactttc ttgatgtcat cctgtctgcc gaggaagcta atgtgtacaa 60
 tgatttagtg aagtaccttc tgatgggtaa ggcaaaaggc acggtaaccc aaagtcgatg 120
 gagaactcat ctttgcataat gcaaagattg acaggctcag tgacattgag gaattcattc 180
 ttatgccgaa tgttgccaac cttcaaaatg ttggtgaccg tctttttgag gaagaactat 240
 atgaagctgc aaagatcatc tatgctttca tctcaaactg ngctaagctg gctggtaccc 300
 tggttaagct gaagcagttc caagggtgctg tggatgctgc tcgcaaggct aacagtgcta 360
 aaacatggaa ggaggtttgc tttgctttgt gtgacgctga nngagtcctg cttgcacaaa 420
 tatgtggtct caatatta 438

<210> 22941
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G5

 <400> 22941

gcagtcattc cctccatcac caccaaactc aacaacagcc agctcgcgaa aataatgaag 60
 agccgcagca tggcatcatc ggccgcgctc ttggtgctag ccctcgcgct agtggcggcc 120
 accgccccac aggtagcggg ggcaaagaag aagagagcgg cggagagcgg cgaggcggcg 180
 gaggcgaaga agatccagga cgacttctgc tcgacgctgt gcgagggcaa gaaggggacg 240
 gacctggtcg tgtgcaagga gtctcgcgcg ctctcccagc agtccaacct ggtgctgtac 300
 ggcaggatcc agttgcaggg c 321

<210> 22942
 <211> 393
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F10

<400> 22942

ggctgccgct gtcccacatg tatttgtata ttttcttcat ggtcgagatt tgcaggtacc 60
tcgtggagta gaggaactgt tcagctcgag cgagtatacg attgtaaact cgtgttaagt 120
tactgaagcg attcgataat tggacttttag gatcatcatg catgtatctt tagtgcata 180
gagcatagga ttccagcaaa ttcaaatttc ttgcagctgc acctcacttt taactccaaa 240
ggtgtgctct gtgttgcttt gaagtcactt gtaacttctt catatcgttt gtccctaagc 300
agactgtcaa agtgctcaaa aaaagtttta ttcaatggat gcatccaagt tctaagagaa 360
gatcatggag taacttgggtg gcaagattta aaa 393

<210> 22943

<211> 445

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-D4

<400> 22943

tgaagagaga ggaggcggcg aagaatcagc agcagcagga ccccttcttg acgcagctgc 60
ggagcccacg gatggagagc tgggtggtctg cctactacgc cagcgtcttc aacttctaac 120
caaaatccac acaatccaac agctttatat gtaaagcgaa ggcccacgct cacagtcgtc 180
ggcccaactg atgcccgtgc gccgcgcgct gggccgcacg gcccaagagc taccaagcgc 240
gggcacgcac cgcggcagcc caaggatctc tccaccttat ctccctgctc gggactcggg 300
acctttacct atcttcttcg gtcttccatg ggagcgagct agagagaagg cgccatggat 360
caacagcttc tcgtggatga ctccaatcat attaacgata tactaactta taatgtgcca 420
aaaaaaaaa aanaagttta taatt 445

<210> 22944

<211> 484

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-D5

<400> 22944

gggaataaat agttcgtgaa tccctgaagc gtgcatatat atattcctgc caagataaag 60

gtaatggagt cgtcacgcag gttccagccg gccgtcatcc tgcttctcct gctcattgtg 120

tccaccgata tggcacaggc aaggggaatgc gagaagtaca gtgagcgatt tggtggggca 180

tgcattgatc cagacaactg cgccaatgtg tgccgcggtg agggcttctt ggccggcagg 240

tgcagcacct tccgccgccg ctgcatctgc actaggcagt gctaaacaag atcgctcgat 300

cgctcgccat gcatcgacaa cctattctta ataacgttca ttatctcggtt cttatntatg 360

acgaatgtca tgtatgttct ggtgactgtc atgtatattc tgatgactgt catgtatctt 420

ggtcatgtat gctcaagggt cattatcttg gtcattgtatt aaagatggta tgaataactc 480

aata 484

<210> 22945

<211> 379

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D6

<400> 22945

ggcaataaat agttcgagaa tccctgaagc gtgcatatat atattcctgc catgatgaag 60

ggaatggagt cgtcacgcag gttccagccg gacgtcatcc tgcttctcct gctcattgtg 120

tccaccgata tggcacacgc aaggggaatgc gagaagtaca ctgagcgatg tggtggggca 180

tgcattgatc cagactactg ctctatgtg cgcacgggtg aaggcttctt gagccgcacg 240

tgcagcaccg ttccgccgcc atgcatctgc actaagcagt gcttaacaag atcgctcgat 300

cgctcgcatc gcatcgacta cctagttatc ataaccgtca ttatctccct cttattcatg 360

actaatggca tgtatgttc 379

<210> 22946

<211> 235

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D7

<400> 22946

gcctgacgac atactgctcg tattcgacac ggcgcccattg atcgtctgct ctatcgggca 60
caccagctac ctaggctggc aggaggggca ggcgctcgg gctctgatcg tggaccgga 120
gctcgaccgg tgcaagcagc acgacatgat ccgggtgacg tagaaacttt agctgtcgac 180
ggcttatcaa gctcttcacg ggctataact ggggtggcgt gacgcggcac ttata 235

<210> 22947
<211> 396
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-027-Q1-K1-D8
<400> 22947

atcgacatga agtactgccc caacaagtta tgcaccgcca atggtgcctc caaggtcacc 60
gtcaaggacg tcaccttcaa gaacatcacc ggcacctcct ccaccccgga ggccgtcaac 120
ctgctctgct ctgccaagat cccatgcacc ggcgtcacca tggacgacgt caacatcaag 180
tacagtggca ccaacaacaa gaccatggcc gtatgcaaga acgctaaggg cagcgccaag 240
ggttgcctca aggagctcgc atgcttctag aaccaccatc gacccatctc tctagttata 300
caatgtgtnt ggttgggtgga tgctgagaga tnggttctca gctcagatgc aagctgcgcc 360
tagcctgtgt aggtttgtgc tggtagatng agagct 396

<210> 22948
<211> 282
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-027-Q1-K1-D9
<400> 22948

gtcagaaaat agtgggatcg agttgtttca ctgcacgagc acattctccg gcgaccaccg 60
ggcctccctc tccggnctct atcgaccgac caacgcgcgc agcgaagatg tcgtggcaga 120
cgtacgtgga cgagcacctg atgtgcgaga tcgatggcca ccacctcacg tcggcgccca 180
tcgtcggcca cgacggcgcc acctgggctc aaagcaccgc gttccccgag ttcaagcccg 240
aggagatggc tgccatcatg aaggatttcg acgagccggg gc 282

<210> 22949
 <211> 450
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-E10

 <400> 22949

 cccacgcgtc cgccaagaag ggcagcacta ccagtagcag cagccatgcc cgctcgcgct 60
 cgatggcgac tctcgcgct gccgctcgcg ctcttactcg ttgccgggtc ggcgcgatggc 120
 ctctgaagc cggaggcagc cgcggcgccc aagcccccg tccccaaggc catatcggac 180
 ctgagggagc cgatcgtgaa ggggctggga ttccaggccg aggggctcaa ggtgtccggg 240
 ttcgacgtgc gagacgcgct cgtggggcac gcggtggcgt acgagttcga catcgaggtc 300
 ggcaggaagg tctaccggt gcgcctgctg gaggacgtca gccggtggga ctctcgcgac 360
 ctccccatct tccgttccca ggccgacgct gacgatacgg cgctcgcgga gatccggcgg 420
 gccgggaggg ggagcatcgt tgagcctacc 450

<210> 22950
 <211> 375
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-E11

 <400> 22950

 cggacgcgtg ggctcactac cagcccccg ctctgtcgt ctctatcttc gcctcttcca 60
 tcgcaggatt cagcggccat gggcggcggc aacgccaga tgtccaagat ggcgcgcgag 120
 aggaacgccg agaagaacat gggcggcaaa ggcagccagc tggaggccaa caagaaggcc 180
 atgaacatcc agcgcacgat ctgcatgcag accttcatct gcaccacctg cgatgccaaag 240
 tgcaaagaac atgcggaggc gaggcattccc aagaacgacc tctaccagtg cttccccccac 300
 ctcaagaact agtaagcagc agaagcatat gctctgctca gctaaaagac aagtactaca 360
 tatatatata tatac 375

<210> 22951
 <211> 169
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-E12

<400> 22951

tcgcggactc gtgggcgac gcgtggcgac acgcgtggga aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaagaa aaaaaaaaaa aaaaaataaa gttaataat 169

<210> 22952

<211> 428

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-E2

<400> 22952

acttgctagt ggggaaaaca agatggagca acgcatgcat tgtagtgatc cacaagatac 60

agatccaaca acattgcctg ctcaaaggcc ggcaatctca aacatagtag cttataagaa 120

aagcactcaa ggaaaggaat acatagaatg gggacgaagg gggcccttga gcttagaagc 180

acttccggtg aacaatcgct ggtcctgact catcgctactc agcctttgag gtaacatact 240

gttgagagac agcttgcttg taactatctg taacaatgaa acagacaaca cagaattgct 300

cccagtgcaa cagctggatg atattagaga agcttctgat tctgcgccag agatctnca 360

atgcgaacct aacctgtgct ccagtatgaa ctatggcaca gtgcctggaa gacactccat 420

gtcagaag 428

<210> 22953

<211> 302

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-E3

<400> 22953

gacccacgcg tccgggcaag ggaggcaagg tctgttaggc cgacgcgcc atgtcacct 60

tggaggcggg caagacgtac cgctccgcg tgtgcaacac cgggatcaag gcgtcgctca 120

acttccgcat ccagggccac gacatgaagc tcgtggagct ggagggtca cataccctgc 180

aggacgtgta cgactcgctg gacgtgcacg tcggccactg actctccgtg ttggtcgacg 240
 ccgaccaggc gcccggcgac tactacatgg tggccttcac gcggttcatt cacgacgccc 300
 ag 302

<210> 22954
 <211> 241
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-027-Q1-K1-E5
 <400> 22954

accgcgtcgc ggtcgtcgtc catcgcacga ctcatagat ccacagatgt atacagctgg 60
 aggagaggaa acgcgcgaca caggtgcagc aggtcatga accattacgc ggctgccagc 120
 tgacaagggtt ggcccttcat gcactcgaaa gctactagat ggaccacttg gaaggagctc 180
 tttgacttct actatagcca acctcacgcc tctgtgggtca atactcggca tctcgaagat 240
 a 241

<210> 22955
 <211> 401
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-027-Q1-K1-E6
 <400> 22955

gtccttagcg gccctcctac tcttggagct tgtgtecgtg gtgccggggg cgcatgcga 60
 ggagttgccc ttggattttt gggtagtgta actacgggtg gtcggggcaa aggacatttc 120
 aacagccgat ggatgcacta agaagaataa ggacgcagtg ctctgccag gctaacacgg 180
 taaccaatth catcaaccct accaactctg aggaacaagg ctataggacc atcggggagt 240
 ccatcgctaa catccctgat gatagcacca aacagtacat cctcatctc agcgggtggca 300
 ccgtgtaccg agagaaagta ttggtgagca aaagcaagcc attcgtcacc ataagatcag 360
 atgacctcat caaccctgcc atcattgtgt ggaacgacac t 401

<210> 22956
 <211> 318

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-E7

 <400> 22956

 ccctctccac cttccatccc gatcacgcc gccaccgctt tcgttccacg tcccgatggc 60
 accggtagat ctaacccccca ggcagccccg gaaggcgat ggcgggcgacg ccggcgcccta 120
 ctacgagtgg agcccagccg acctgcccac gctcggcgct gcctccatcg gcgcagccaa 180
 gctctccctc gccgcgggtg ggctctcgct ccccagctac tccgactctt ccaaggctcg 240
 gtacgttcct tgaaggcact ggcacctgcg gcacgtcct tgccggaggc gaaccaagga 300
 gaagggtgctg gccgtgaa 318

<210> 22957
 <211> 390
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-E8

 <400> 22957

 gtcggtgatc tggggcctga tcggtccgga ggggctcttc ggccggcacg ggctgtaccg 60
 caacctggtg tggctgttcc tggtcggcgc gttgctcccc gtgccggtgt ggctgctgag 120
 cagggcgctc ccagagaaga agtggatcgc gctcatcaac gtgcccgtca tctcgtagcg 180
 gttcgccggg atgccgtcgg ccacgccaac caacatcgcc acctgtctgg tgacggggcac 240
 catcttcaac tacttctgtc tcaggtagcg caaggggtgg tggcagaagt acaactacgt 300
 gctctcggcc gcgctcgacg ccggcaccgc cttcatggng gtgctcatct tcttcgccct 360
 ccagaacgcg caccacgagc tcaagtgggtg 390

<210> 22958
 <211> 300
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-E9

 <400> 22958

cgacgcgctg ggcggacgcg tgggcggacg cgtgtgcgga cgcgtgggct gacgcgtggg 60
 cgctctcacc tcattggggc cctggtgggc gaataagcac caagccctnc gcttggatcg 120
 accatcgtgc gcgttccttg ctgcgctcga gagatttcca acgccgagct agcgcacagg 180
 gaagggagag aaaagtgagt gccaccgagg ggacgaggga aactcgactc accacctatc 240
 gctccttgga gttgtgtcct ggggattctc cgggcttgga ggaggaaggt tgaagcagct 300

<210> 22959

<211> 472

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-D2

<400> 22959

ctccctcggg agtgaggcgg acggtgaggc accaagtccg tctacgacga tgatcatccct 60
 gccaaactgga aggccaacac cgcctacacc gccaaataat taacttttagt gctgacaata 120
 ctttaagccg gcctatgcta gctatactag aattgggttg atcccaagca atgcattaca 180
 catgcatgca ttggaccgtg atatctatct gctaccacta ccctattacg acagtgatgc 240
 tggcgccaac aatgatgggt tcatcctcct tctccatctt cttcatctcc atatatagct 300
 agagtgagac ttcgctgttg tttaaaagag aagagttaag aaatggattg acaagttata 360
 taataagtgc ctaatgaaat atttgatagg ccttcatttt ttatcaaagg atccatgaat 420
 gttgtgttgt ccatgtatct nctacgtaat cctaacttta tcatgtattc ta 472

<210> 22960

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B9

<400> 22960

agcaggttca aggaggtgac caagcgggag tacactcagt acagcgagta caagatctgg 60
 gtgtggaagt cgcaggacga cctgttcctc aacggctcct tcttcaacca gtccggctgc 120
 ctgaacgagc gcatgtacta caggctcgac ctcatccagg ccaagggcgg cctgtacgcc 180

tagtcgctca ccaggtactc ctgcgcgctc aactgccgcg tcggctggaa gtgctagtgc 240
 gtgtgcagct ctaggctgca actttcatca ttggcgatcg atcgtaacaa tgcaagggtg 300
 ttgcgtatat aacgcttggtg tt 322

<210> 22961
 <211> 333
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-027-Q1-K1-C1
 <400> 22961

tctggttgtg cacgcgcgca tgtcacaacc agatgctata atcatgggtg tcgtattcgc 60
 tatcgtgctg gtcaaagtcg agagcaacaa tgacatacat agggtagatg attccggggt 120
 cgtaatcaag gattgtgagc atcacgcaga tgcagaactc tattctgtag cagccgaatc 180
 gtaggaagac gccaaagggc gggaggatta tggccaagag gatctacaag aaggtgcaac 240
 agtaggcgtg cgccatgacg atctcgaagc tggtcaggat cgggactgat atgttgctat 300
 gcgtagagcc cggtgactag ttctagatcg gga 333

<210> 22962
 <211> 334
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-027-Q1-K1-C10
 <400> 22962

gcagaccata atccgtccta ccaatcgctt tcacagatcg gcggtccacc cggaggctgc 60
 gatggcgctg tcgcatgctt acatctacaa gatgcatctc cttcagagct accgcatcgt 120
 ctgtcacacc gacatgacta acgcatcca tgctactaa tactactgct gcctagcgtc 180
 gacgagagtc attagaatgt cactcatgcy tcaacttggt ctattactga aaatacacct 240
 ttgagatctg tgaagggctc caatctatct aagcgatcaa aggaatagta tctaggcctt 300
 ttcctgagct ggtgatacta atatggagca ccat 334

<210> 22963
 <211> 386
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-C11

<400> 22963

ccgacgggcg ccggtctcga cgacaacggc tgcggctatg ggtacaagga cgtgaacaag 60

ccctccttca atagcatggg tgcattgcggc aacatccnca tcttcaagga tgggtctgggt 120

tgtaggccct gcttcaagat caagtgcaat aagcctgcag agtgctccag caagcccatg 180

gtggtgcaca tcacggacat gaactatgag cctatcgagg tgtaccactt cgatttggca 240

ggcacggcgt tcagcgccat tgccaagaag gacgaggagg agaagccgtg caaggcgggc 300

atcgtcgaca tgcagttccg aagggtaag tgcaagtacg gctccaagat caccttccac 360

cttgaaaagg ggtgcaaccc caatta 386

<210> 22964

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C12

<400> 22964

cccacgcgtc cgcgaacgtg cgctgtctct cgatcctgca tctctgcacc tgctcgctc 60

cccagggagg cagggacaat cgacttcgcc gggcgccggc tagccccacc ggcgacgaca 120

ggcacagtgg accacggagg agaaagtact ctgctttgaa tgggaagtgc catgaacaaa 180

gacaaagttc atgacaagga gactcacgga acaagtagtg atataactga gaaaacacct 240

gtggaaacgg tgaaggggtcc caatctgctt gagcgagcaa aggaagagat cgaggccctt 300

gccggagctg ttcatactaa gatggagcac cattccagtc cccacgcgaa gaaggatgaa 360

tcacataagg aaggcaagga ggggagcctg cacaaaataa aagcccacac ggatgaaact 420

cacggaacaa gtgctgacat aaatgagaac aca 453

<210> 22965

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-C2

<400> 22965

cccacgcgtc cggttccatt ccatccgcac gaagaagagc agcggcggat gaccccggtg 60
atgtcatcgc caccacgctc gcctcgccct tcttgacgac gtgcgcgggt cggccggata 120
ccatgccggg caagcaggag gagggcggcc aaggcccggc gggcagcagc gtgtgcttgt 180
ggctggtgac ggcgctgctc ctgctatctg tgctcgtcgg cggcgcgtgc ctgcggcct 240
acgtcctgct gccgccgcag gagacgccgg cctggctacc cgcgcgcggg ctagcgctcg 300
tcgcgctacc aggggcgttc tggatcctca cttgcgcgta ccggtgcgcc gccgcgcggg 360
ccgtggagcg caccacgatg gccgtggcgc cgtctnctgg tagcatgtgc tcgcgctacg 420
gatcgtgagc agtgacctat ttaaggatcg ct 452

<210> 22966

<211> 471

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C4

<400> 22966

cggacgcgtg ggcgctgggc cggcgggtggg agaccgacgc cgcgtacgtg cagtccaagg 60
aggcggtgaa ggacgtgtcg gtgcccacca gcaccatcag gttecccgac gggacgtccc 120
ggctggtggc gccggcgctg gtgtacgcca gcgctgccag gatggcggac gccgacgtgg 180
ggagcccca cttcaacctg acgtggaagg tggacgtgga cccgtccttc agctacctgg 240
tccgcctctt cttcgccgac atcgtgagca aggccaccaa cgacctctac ttcgacgtgt 300
acatcggcgg gcgcaaggcc gtgtccgggc tggacctgtc gacggtggcc ggcggcgagc 360
tggcggcgcc ctactacaag gacttcgtgg tgaactcgtc gttgctggag gacggcaagc 420
tgagcgtcca ggtcggggccc atggggcatg acacggtgcg gatcgacgcg c 471

<210> 22967

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C5

<400> 22967

cggacgcgtg ggggccccaga ggcagtgccg tgaccgattc gagacgcaag agaaggatcg 60
agacgagggcg gcggttttcc ggggcagcat cgtctcggcc acgaagatgt cttactcaag 120
gggctcaagg tatggatctc gtcacacctta ctcgagaagc acaagggtacc gaagtcgctc 180
taggagtgtc gactctagtg atgctgaaaa ccctgggaac aacctgtatg tgactggttt 240
gtcggctcgt gtaacggatc gagatctgga gaagcacttc tccactgagg gtgaggtgat 300
tgatgcaagc gttgtgtatg atccttggac aagggaatca cggggggttg gttttgttac 360
catggctgct gttaaagatg cagatc 386

<210> 22968

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C6

<400> 22968

cagcattgag gacgttcgac ctgccggagg cgtgaagaag ttccagtctg ctgcttactc 60
caactgcgcg aagaagccat cctgatatcc cttttggctt cctcattcta gtagtttagg 120
atttcttttc tgacactttg attctgacca atctctctgg cctgctgctt cctgataatc 180
gaccagttcc ccagtcttgc tccttgcaact cctccctcca tcttcagcat tgtgttctga 240
ttcacctgct ccaatggctg ttctttctgc tgctgatgct tccccggtct cagctatcgg 300
gtttgagggc tatgagaagc gccttgagat cacattctct gaggcacctg tctttgtgga 360
ccctcatggg cgtggtttgc gtgccctctc cagggccagc attgactctg ttctggatct 420
tgcacgggtgc acaattgtgt ccgagctctc caacaaggat ttcgactcat atgtcctttc 480
t 481

<210> 22969

<211> 295

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C7

<400> 22969

ttgcattgag gtcattgtgag cggccgaatg ttttcatgaa attgcgacgt gctgagtacc 60
 ggggtgttatg ccaactgaca tcgtggggta atatgttaag ccataagact ggaatgacat 120
 gataagtgat ccaaaaactg gaatcataga tgtgcgtaac atgtatgaca tactcatagg 180
 atagcttaat gaaagctgtc gatccacgta caaactcatt catagagatt actacttggg 240
 ttgaccatca atttcaattg gtgtaatcat gcaccctacg gtcatggcga gatga 295

<210> 22970

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C8

<400> 22970

gggaagaagt cgtccagcga ctgtggccac aagtctgctt ccaaaggcaa gttagcggcg 60
 ggtcagactc ggactcggga gcggaagcgg aagcggaatc ggaagcggaa tcggaatcgg 120
 ggtcggaatc gaagacgaat ctgaaggccg tgtccaagag catcaaggcg atgtgctcgc 180
 agacggacta cacggacgcg tgcgagaaga gccttggcaa ggccgcgaac gccagctcgt 240
 cgtcgcccaa ggacatcatc cgcagcgccg tcgaggtgat cggcgactcg atcggccagg 300
 cgttcgaccg cgccgatctg atcctgagca acgaccact cgtgaagggc gccgtcggcg 360
 actgtaaaga agtgttcgcg gacgccaagg acgacctcaa cagcacgct 409

<210> 22971

<211> 96

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C9

<400> 22971

ggtgcgctgg atataaataa gcactgtatt taaggttaaa cattccgcta tgttcgctgt 60
 cgataaagag tgctatttac gctgctggcg ttagtc 96

<210> 22972

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D10

<400> 22972

cccacgcgtc cggcaaaggg ccatccgctg cggtcagtgt aggtttctga atcatagctt 60
ggcgatgcct gaggctagac aaatactgag ctagccttca gaaaaaaaaa agaaaagaaa 120
gagattgaga agcagggaga aaaaatggca ctggccatt gaggaagctt gagaaccagt 180
taacaagaat tgccaacata ttcttggaca atcttggtta cagagtttta aggtttccca 240
gcagagaaga gcgcgtgcaa ccaccacatt catataatta ataagcaagg tttagagaag 300
aggcaacatg ggcacaaaga tgaagaagg gatcctgaag ccgttccgct atatctcaac 360
catcatggat ggtaaggagg ctgaaatgca aattgggttc ccgacggatg taaaacacgt 420
ggcacacatc gggtgggatg gtcctggc 448

<210> 22973

<211> 266

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D11

<400> 22973

gggacgagtt gtgagacagc acctcgttgt ctcgtgatca gacctatggt ccatggagca 60
atacgattct tgtaaactct agcttcatcc aatctgttcc tctgatcta actagtctga 120
atagcaactg ttcgtttgc accaatatca acttcttttc agatgctcca tatattcctg 180
ctctctgtaa acaaacaatt atcactgttc aatagatgcg gagatgtgga tataaaaatt 240
acaaaacaaa gaagaagacc aagaga 266

<210> 22974

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D12

<400> 22974

cccacgcgtc cgccacgcg tccggcggtc cgatcaggtg agcagcggcg cggctgctgc 60
ctgccgcgc ctgcctccgc ggctccgcg gccgtcgacc gagcagccga gcagcggcgc 120

ggcggtgcc tgcccgcgt cgctccgcg gtcgcgtgg ccgtcggtcg ccgacccgaa 180
 cgccgagtcg cgcgagcgtg ccggcgtgcc ccgcctctcg tcggctcgcg actgcgccag 240
 cgcggtcgcg ccgccccacc ccccggtgac cggcgctcgg atccatccgt ctggcaaccc 300
 aaccggccaa gggccaaccc cgtccccgga ccccgactcc ccgagggcca accggccaag 360
 gcacaaccgc tgaaccgcac aatgcatatt tagtcgtcta ctgcctagg cctattcttt 420
 ccctctcaaa ctcaaattct tc 442

<210> 22975

<211> 482

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B8

<400> 22975

aacacctatg ggccaaggat gaacattgac gatggccgtg ttgttagcaa cttcattgct 60
 caggctgtgc gtggcgaacc cttactgtc cagaagccag gaacacagac taggagcttc 120
 tgctatgtcg ccgatatggg tgatggtctt attaggctga tgaacggaaa caaactgga 180
 ccgattaact tggggaaccc aggtgaattc accatgctgg aacttgctga gaatgtgaag 240
 gagttgatta acccagatat aacagtgcg atgaccgaga acactcctga tgatccccgc 300
 cagaggaagc cggacatcac caaggcaaag gaagttctag ggtgggagcc caagatcgtc 360
 ctgaaggacg gcttggtgct catggaggat gatttcggg agcgctggc cgtgccaag 420
 aaaaccaagg cctaaactgc cctgcggtgg gcgaagaata tccacggggg agcataactca 480
 ta 482

<210> 22976

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H9

<400> 22976

cccacgcgtc cgctctctcc cttcgtcacc atcacatcca gccagccaac aaaaatgtcg 60
 cgcgtcacag ctgcggtgct cttctacatc ctgcggttg ctgccctcag cgcggccgag 120

gccccggcag agtcaccgaa ggaaggcagt gctgccaaagg cacctgagtc tgccaagaga 180
 actgctgccc ccgctgaagc acccgaagcc gcatccaccc ccgtcgccgc cgtgccccca 240
 tcgccgtcgt ctaggaagtc tgggccagct accgcgccag ccaccgcctc tacaccccct 300
 tcttcacagg acgaggagtt gagcccttcc ccgccagcat ccaccgcgc ggcgtcccct 360
 gcggctgagg gaccggctgc tgatgactcc gccgggtctg ctgcccttgg aagtggagct 420
 gccatcgccg gcg 433

<210> 22977

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A1

<400> 22977

tcggcgaggt gtccccgggt cactgctgat caactccaag tttttccaca tgaccttgta 60
 ccgtggcaag gccttgctga tcaaggacgt aaccgtaact gctccccgggt caagccccaa 120
 cacggatggc atccacatgg gcgactcatc cgtgatcacg atcaccatca ccgtcattga 180
 cgtctgtgac tact 194

<210> 22978

<211> 303

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A11

<400> 22978

tcctcctctc tctactcttc aagttctctt ctccgtctac cgctctacac gtatgttggtg 60
 gacctggaca ccgaggtgga agaaggaagc agtcagcaga tggatccatg gatcatccac 120
 caaccttctc tgagccttga cctgcgcgtc agcctgtcga caatcagcct gcaccaccag 180
 gcgcctgttg ccgtcgctt gccagtcctc aagctgctcg tcgaggagaa ctctctactg 240
 ccgcctccaa agaaagaacc agaggtcgcg gctctcgaga cggagctgca acggatggctc 300
 cag 303

<210> 22979

<211> 492
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-A4

 <400> 22979

gaatcacctg tcaatattag aagtgaacct ctcacgacac gtcgccgcgc ccttcaatca 60
 tggatggatg gcagcagcat cagtactgtc gagttccctg atgggctacc tccagctcct 120
 tcgagaagca agaaggacaa gctttctgaa gaggaaatgc ttgcgaagaa ggccgaagct 180
 gctcagaggc gcatgatgca agtggaaaag gccactaaag aaagtgaggc ggaagctata 240
 aggaaaatat tgggcatcga ctctgagaag aagaaagaag agaggaagca gaaggagcga 300
 ggagagaagg agcgagctag cagagcacia aacatggcgg caaactcgat ccgctggggtc 360
 atggggccca ccggaacagt tatttcgttt ccacacgcag tagtgctctc cagcatcttc 420
 gactccaagc cacacagcta tctnctnca cgggagaaat gcgctgggcc atcgtgcacg 480
 aacgattaca ag 492

<210> 22980
 <211> 87
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-A5

 <400> 22980

acgcgtccgc ccacgcgttc gcgccaagtg tgcggtgaaa ttgtaattat ttgcaatgaa 60
 tagaatgtta tatctatacc taataat 87

<210> 22981
 <211> 366
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-A7

 <400> 22981

cggacgcgtg ggtcaaaagt tgaggagaa gaacatcgat ttgctgctc acagcaacca 60

ggaggactct ggttctcttc tgttcaacct tattggaaat ttggcattcc cgcttatcct 120
tatcgggtggt ctgttttttac tttcaagaag ggcacagggt ggcctcggtg gacccaatgg 180
tcctggctttt ccccttggtt ttggtcaatc tagggccaag tttcagatgg aacccaacac 240
tgggtgttaca tttgatgatg ttgctggtgt cgatgaagcg aagcangact tcatggaagt 300
ggttgagttc ttgaagaaac ccgaaagggt cactgctgtt ggtgctcgca ttcctaaggg 360
tgtcct 366

<210> 22982

<211> 94

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A9

<400> 22982

actaggcgca ccggtgctgg gaggacatgt tttacgccat cagcggcgct aagcacgtca 60
tgtgcatcac aggttggtcg gtgtgcaccg agat 94

<210> 22983

<211> 245

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B1

<400> 22983

tcggacgaga ctggagtggc ctgaagacgg aggtctacta tgaatgcata ctgatcctgt 60
gtcggggggcg gttcgagttg ttcacggcgg tctaacttgg tagatgcgtc agagacatgg 120
tgacaacggc tagtatatct gtcggtctga aagcgtggcg taagacacgc atgccagtgt 180
tgttggtctg atactgtgga ccacatgggg ctcaggcatc cgttggcaaa gttggcagag 240
tgcga 245

<210> 22984

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B10

<400> 22984

tccacgcgtc cgggccactg ctacattctc atccgtcgcc aatcccttcc cgtgctccta 60
tcgggctgaa tgagaagaag agatggccgg cagggccaat ggccgggcta tctgcatcga 120
tctgggcacg acgtactctt gcgtcggcgt gtggcagcac gaccgggtcc agatcattgt 180
caacgaccag ggtaaccgta ccacgcccta gtacgtcgcc ttcaccgact ccgagcgcct 240
catcggagat gcggccaaga accaggctgc catgaacccc atcaacaccg tctttgatgc 300
caagcgtctc atcggcagga ggttcagtga tgcgtctgta cagagtgata tcaagcttgg 360
gcccttcagg tcatttctgg gcctggtgag a 391

<210> 22985

<211> 299

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B11

<400> 22985

caacgaaaca agcgcacaag aaaaaatacc tcgccgcca caatggcctg catgtcctcc 60
atcctgctcg caacggcgat gctggctgcg ctgtttgcgg ttggtttgtg caccaccccg 120
ctcaccttgc acgttggcaa gggatccaag cctggccacc tgatcctgac ccgcaatgtt 180
gcaaccatat ccgatgtgga aatcacagag cacgggtggc atgacttctg ctttacgctc 240
aaggagggac cgaccggcac ctggacgctc gacaccaagg cctcgctcaa gtacccccct 299

<210> 22986

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B12

<400> 22986

cggacgcgtg ggccacgaga ccacaagcca caccaaacc gcgttcatcg acggacgagc 60
tcgccggcga gagagcgact gagatggagg cggcggcagc ggccggccggc gtggagctgg 120
gctcttcgaa gcccagatc gcgacgcagg cggagatggc ggaggccccg gtgccgctcg 180
cctaccgca ccagtgcgcg cacctctca tcccgtcaa caagtgccg gtcgccgagt 240

tctacctccc ctggaagtgc gagccccgagc gccacgccta cgagaagtgc cagtacgagc 300
 tcgtcatgga gcgatgctc cagatgcaga agatccgcga ggcgcaggag accaagggtca 360
 agggcggcgc cttcattggc ctcaccccg ccacccgtcaa gctcgcctga tacgggtccc 420
 agcccgatcc gcttgat 437

<210> 22987
 <211> 245
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B2

<400> 22987

ataagaagcc ccaaagagga gcaaaatcat cctccgatta tggtgattgg atgtgatctg 60
 atcccgagac acaaagagga tgccagattc agccgaaggc agttcggtag atttatgctg 120
 gtttgccctat tctccttgct cttggtcagt tgcccgatag tttataaaat ggaatacgtt 180
 tacgtggaca gactgctttg tttgtggtat acggttatga tttctataat atttctttct 240
 gccag 245

<210> 22988
 <211> 411
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B3

<400> 22988

gcgcgctccc cgtccttcgg taggtgcatt gcttcggtgg tccaccatgg cgcagcgagc 60
 ggtggccacg atgacgacta ataagccctt tctcctctc gccctggcgt ccgcgctcct 120
 tgggtgcccgc ccggccgtcg cgaacgcgcc cggcggggcg ttcagcaact ggggtggcgat 180
 gaaccagcag agctacgcgc tgtacgcgca gaagtccgtc ggggacgggg gcaaggagcc 240
 cctggacaag aagctgtcgg aggcggagaa gaagaaggtc acgtacgtgg tggaccccag 300
 cggcaagggc gactacacca acatcaccgc ggcgctggag gatatccccg tgagcaaacac 360
 caagcgcgtg atcctggacc tcaagcccgg cgctcagttc cgcgagaagc t 411

<210> 22989

<211> 469
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-B4

 <400> 22989

 cccacgcgtc cgtgaaacat caattcctag gaagcatggc cctgcaattg ctggctacga 60
 gacggccctc aagaagttct ttgagtatgt tttgcaagca tttctgaaac acattgattt 120
 tgaagttgtc cagtgtactg taattgcaag ccaggtttt acgaaggacc agttccgcga 180
 ttatttgttt cttgaagctg cacggcgaga ttttaagagta ataattgaga acaagcaacg 240
 ccttgttctg gcgcatgcaa catcagggtta caagcatagt ttaaaggaag ttttggatac 300
 accaggtgtg atggcactga taaaagatac aaaagcagca catgaggtcc gagctctgca 360
 ggattttctt aatatgctta ctaatgagtc agctcgtgct tgttatggac cgaagcatgt 420
 tgagtttgca ctgcaacagt ttgctatcca gactctttta ataactgat 469

<210> 22990
 <211> 449
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-B6

 <400> 22990

 ccactcgtcc gtcgactctt ggtcggacgc gtgggcaact agaagatgga caggaatggg 60
 tactggaagt ggaatgctag cgacatgtac tttgttgatg ctactggtgc ttgctattac 120
 gaccaacgtg tactccctgc attatgatat gacatgggtca tcaaattgatg cctaagctgc 180
 caaatgaaga agcgatctac aattcaatag aagcggggat ttataacgaa cgacactcag 240
 atcagatggc attgctaccc tataaagcgc atcgaacata tctggaacta caattattgc 300
 acaatcgngg actgaatgta agactgtacg atcctatcag agcaccacgc tctcactgag 360
 agtcctacat agacaactgc tttgcgagtt atgatctgga acgactcatc actaaccaag 420
 ctctctcga atgtcagcca atcgatact 449

<210> 22991
 <211> 367

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-B7

 <400> 22991

 gtagtgccga cagaggcacg agcgccctccc tcgtcttcgt tccgtctctc cccacaggga 60
 accgccgccc gtcgcctcca gatacgtgcc tccggcgga aatcggtatc gagctcgctt 120
 tgttcgaatc ttctgtatag ccagcaagga ggccctctcca tctcctccgg gaagctattg 180
 tgcaggctgt gcagcaatgg agaagtataa cagcaagact cagttagcac ccttgagaga 240
 taccatcttt gctctccgtg gtgctcttgg tagttcaagc tcataccttg agcaagccag 300
 gggctacacg tcttcccctc tagcagctct gcgaccaaag atgtcttcta ctactggaaa 360
 tcgactc 367

<210> 22992
 <211> 382
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-H8

 <400> 22992

 tccacgcgtg cgcccacgcg tcgaccactt tgcgcccacg cgtacgcca cgcgtgcgcg 60
 ggccgagaag gacttgcagc cttggattgc tagagatgac gaacaaggtc agaagatgtg 120
 gagagtcaac cagcgtatag tgaagcttat agctgagctt atgaggaacc atgacagccc 180
 tgaagcggtg gtgatactcg ctagtgccctc cgaccttcta cttcgtgcta ccgatggaat 240
 gctcgtcgat ggtgaagctt gtactttgcc acagcttgaa cttctggaag tgaccgattc 300
 ggctggtcac cttatcatcg aatgtggaga attacgggta tcacttgagc atgggctttc 360
 aaatctggtt aaagcatgc cc 382

<210> 22993
 <211> 445
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-G4

 <400> 22993

cccacgcgtc cgagacagtt caacaagaag gacctcatca agcccaggaa cgggtcctac 60
gtcaccaggc tcacgcgcta cgccggctcc ctgcctgca cgcccgcaa gccctgctag 120
atcaagccac cagcgaggac ggccgacgac cagaggcaga cctgcatgca ttcgccggct 180
cgccatgtaa gaaacagggg agttgaaagt gcgacacacc agagaacgtg tctgtgtata 240
ctgtgtaaag gtcctaaagg aaagagaaga tgcacatatt caaagcctcg gaactaattg 300
ctctgttgtc cactatgtta tccaagtata tatttgttct tcacttgtgt tgagcaccgt 360
ttgtgtcact ggacatggac aaacagttta gcctgcggac agtccgtctt tagacacaga 420
ctgtccacga ttagatcata ccata 445

<210> 22994
<211> 446
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-026-Q1-K1-G5
<400> 22994

gcaaagggca ccacatttga ggatgtcatc tccatggtaa aggggggtgat acctgatctg 60
tgctgccttg tagcgctttt cacatattac aaccgatcc tgaagcgtgg tgtccccaac 120
ttcatgagta ttgttaaaga agctggggta cacggctcttg tggtagcaga tgttcctttg 180
gaagagacag atgtcttgag gagtgaggct gccaaaaaca acctagagct ggtgctattg 240
acaacaccga ctacaccaa tgaaagaatg gagaaaattg cacaggcttc agaaggattt 300
atztatcttg taagcactgt tggagttact ggtacacgtg caaatgtaag cggcaagggtg 360
caatctcttc ttcaggatat caagaagggtg acagaaaaac ccgtggctgt tggcttttgg 420
gtgtcgactc cagagcatgt ccggca 446

<210> 22995
<211> 351
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-G6
<400> 22995

accacgcgtc cgatgctttg tctnctgtct cgggcttctc cgcgtgtcta cggcctttct 60
gtacgccgcc ctatacactc atcgacatag ccatcgagag ggccgtcaac agaaaccaga 120
gcggaaca ccatggcgag ctcgaggacc atcgtggcgc tctcgtgct cctactcgtg 180
cttctcctgg tgactttcgc ggccaccgtc gacgcccacg ttgttcgcga gctgctatgc 240
caggaccaat tccagcagac atgctaccag gtgcacttca agaagatgtg ccagatcttg 300
acgaggctaa cgagggtgac aacgccgctc gaactgatgc tagcgtcgat g 351

<210> 22996
<211> 434
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-G7
<400> 22996

cggacgcgtg ggcgcttccg ctccacagga tctctgcgc caccacaac cgtgtgaccg 60
tgctgctgc cggcgacccc tatccgccga cccgtccgtc ccaccacacc ccaccgccgc 120
tcgcagctat gtcgccgtcg gagccgacgc gggaggagag cgtgtacatg gccaagctgg 180
cagagcaggc ggagcggtag gaggagatgg tcgagttcat ggagcgcgtc gcgcgctccg 240
ccggcggggc cggcgaggag gaggagctct cccgtggagga gcgcaacctg ctgtccgtcg 300
cctacaagaa cgtcatcggc gcccgaggag cctcgtggcg gatcatctcc tncatcgagc 360
agaaggagga gggccgcggg aacgaggcgc acgccgnctn catccgcgcc taccggttca 420
gatcgagacc gaggc 434

<210> 22997
<211> 383
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-G8
<400> 22997

cccacgcgtc cgctcaatag cgccatgaga caatactgag agcagggnga aatcgagtga 60
ttcctggtaa gaaagagaaa cccgttgctc ccattgacgg tcgctgctcc actgtgttcc 120

ttccatttct cgccggaatt agagcttaac cgtggaacaa catgccgccg tttgggcgag 180
gcctctgcgc actccaagct ctactccggg gatgacagcc tcgtcatgct cgtcatcgac 240
acaaaccact tcttctgggc tgccacggcg ctccccttca ccgactcctt cgcgcgctcg 300
aactcccttc tgctgttgga ccacgtcaac cgtgtgggta tctcgtggcg ggagtcaact 360
ccggtggtgt ggccatcttg gac 383

<210> 22998

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-G9

<400> 22998

cccacgcgtc cgaaagggca tcaccagatg cggcggtcag cggcgttccc accgcgtcgc 60
ccggggccag ggcgtcgccc tcctcagcgt tgtgacagcg acctcaacat ccggcagcac 120
cgcacctgca gcgaggtggc cggcggcacc gcggcgggct gtgcggccgt gtgctgctgc 180
ttccccctgtg tcatggtgga ggtcgtggtg ctgccacgg tgccgcgcgc ccggcgctg 240
tgccgcaagg cggcccgct gagcaagggc gggcggcggc gctccgcctc cgtggggcag 300
gccacggaga tctacgagct cccggtggac aacgcggcg tcgtcgtcaa ggtggacgcc 360
agcgccgctg aggcgggtggc gctggcggtg aagccc 396

<210> 22999

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H1

<400> 22999

gatgcacctt gatgcccaac attggttatg gttctgacaa gtcgaccagg cactacctcc 60
ccaacaagtt caagaagttt gtggtccaca acgtttctga gctggagttg ctcatgatgc 120
acaacaggac ctactgcgt gaaattgctc acaacgtgtc cactaagaag cgcaaggaga 180
tcgtggagcg tgctgcgcag ctgcacattg tggtcacgaa caagcttgct aggtccgca 240
gccaggagga cgagtagtct ggtttcttgt cttaacgacg aactggatgt tgccattcct 300

ttctgtagga aactactttg cttgtgtctt gttagtactg aaaaccagag tcactcctac 360
ctttttgcaa tcagtagcta ctaaaatgtg gcagattcca ct 402

<210> 23000
<211> 444
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-H10

<400> 23000

gtctgatcct ggtgtgttca ctgagctgat tcagcaaag caagtgaaag gtgtacaggt 60
ggaagagctt tactctctcg atgtgggctc tcttagtcaa ctgcggccag tatatgggct 120
aatTTTTctc ttcaagtgga taccCGGGga gaaggatgaa cggcctgttg tcagagatcc 180
taacccaaac cttttctttg cgcaccaagt catcactaat gcatgtgcta ctcaagctat 240
tctctcagtt ctcatgaatc gccctgaaat tgacattggc ccagaattat ctcaattgaa 300
ggaattcaca ggagctttta cacctgatct gaagggcttg gctattagca acagcgaatc 360
tatccggaca tctcataaca gctttgcaag gccagagcca tttatttctg atgagcanag 420
ggccgcgact aaggatgatg atgt 444

<210> 23001
<211> 305
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H11

<400> 23001

accacgcgta cgccttctca tggatttgcc ttagaactct gacctagacc tcgcctgtca 60
cggggcgatc tcatcaggga tcgctctagt cctgacggcg attgtgctct tcctgtgggt 120
gacggctcca gtgctgacaa ggtacatctg ttacgctgct aatcgtaatc cgctacctat 180
ggcactgtgc catcatgcca gcccagggt aagtgtgtg ctgagagatc atcttcgtgc 240
agctactcat ctcccttaca ctatctagcg cagcacgcta gaatctacta cagtacgtca 300
tcgct 305

<210> 23002
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H12

<400> 23002

gtcgttgtga gaattcttaa ttcattgagtt gtagggaggg acttatgtca ccacaaacag 60
 aaactaaagc aagtgttggg tttaaagctg gtgttaagga ttataaattg acttactaca 120
 ccccgaggta cgaaaccaag gatactgata tcttggcagc attccgagta actcctcagc 180
 tcgggggttcc gcctgaagaa gcaggagctg cagtagctgc ggaatcttct actggtacat 240
 ggacaactgt ttggactgat ggacttacca gtcttgatcg ttacaaagga cgatgctatc 300
 acatcgagcc cgttctctggg gacccagatc aatatactctg ttatgtagct tatccattag 360
 acctatttga agagggttct gttactaaca tgtttacttc cattgtgggt aacgtatttg 420
 gtttcaaagc cttacgcgct ctacgttt 448

<210> 23003
 <211> 506
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H2

<400> 23003

cccacgcgct ccgcgagcgc cgtgggcgga cgtgtgggtt cagagtcaac acagtctgag 60
 cacggacgac tgggagtcct tcgactaata agcatcatag gatcgtgggc gcacgttctt 120
 tgcggctgct tgtcgtacag cgggtcgtg cgggcgcccc gaaggtgcca gaccggcgcc 180
 caactatcac caccaactac aactggcaaa gtccggtcat ccgcacaggg cactctggt 240
 accggtcagg cccaactggt tgccggctgc tcaactgacga acggccggtg tcgtgccggg 300
 atcaatgaga cgtgacacct gccacgccta cagtcggcat gacgtgcgtg cggcaaccgt 360
 ccccatcttc aaggacggca agggctgtgg ctcatgctac gaggtgagat gcaaggaaaa 420
 acctgagtgc tcgggcaatc ctgtcacggt gttcatcaca gacatgaact acgagcctat 480
 cggtgcctac cacttcgact tgagcg 506

<210> 23004
 <211> 104
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-H3

 <400> 23004

 ctcacagtgc caactgaagc ttggcctgtg ggcttactag ctaggccttt aaagtctaca 60
 cttgagtcct tgcattaatc cactcggggtt acgccaatgg aagc 104

<210> 23005
 <211> 462
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-H4

 <400> 23005

 cccacgcgtc cgcccacgcg tccgcccacg cgcccgccca cgcgtccgcc caccgcgtccg 60
 caggccgaga aggacttgca gccttggatt gctagagatg acgaacaagg tcagaagatg 120
 tggagagtca accagcgtat agtgaagctt atagctgagc ttatgaggaa ccatgacagc 180
 cctgaagcgt tggtgatact cgctagtgcc tccgaccttc tacttcgtgc taccgatgga 240
 atgctcgtcg atggtgaagc ttgtactttg ccacagcttg agcttctgga agtgaccgct 300
 cgggctgtcc atcttatcat cgaatgggga gattcagggt tatcagttgc agatgggtctt 360
 tcaaattctgc tgaaggcatg ccccgctcttc atctgccttc gttctcactc attcaaacgc 420
 caccatgca tncctcgtaa ctcaacaggt taactgaata tt 462

<210> 23006
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-H5

 <400> 23006

 gagcagcatt tcgagtaaca cagttgagca cgacgatggg atccctcgct aataacatca 60
 tggctcgtggg cgccgtcctt gcggcgcttg tcgtcggcgg gtcgtgcggg cccccgaagg 120

tgccgccccg cccaacatc accaccaact acaacggcaa gtggctcacc gccagggcca 180
cctggtacgg tcagcccaac ggtgccggcg ctctgacaa cggcgggtgcg tgcgggatca 240
agaacgtgaa cctgccaccc tacagcggca tgacggcggtg cggcaacgtc cccatcttca 300
aggacggcaa gggctgtggc tcatgctacg aggtgagatg caaggaaaaa cctgagtgtc 360
cgggcaatcc tgtcacggtg ttcacacag acatgaacta cgagccta 408

<210> 23007

<211> 279

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H6

<400> 23007

cccacgcgtg cgccaacgca tacaccacg tactggccca ctgctgata gcaactctgtc 60
acgcacgtgg cactctagca gcaattgata gggcgcaac acgagctccg ggcagtgtac 120
gtcgccgcca ccagagcgcg cgccgatccg gagggcgagg tgtgatcgct ggccgaacag 180
gtgcgcata ttgaagctga ggcgcggctc atgaccgctg cgctcgctgc gatctgccaa 240
gtgcacacct accaccatgt actcgctga gggcgacc 279

<210> 23008

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H7

<400> 23008

gctgcggaga aggagactgc cgccgtcgcc gcaacctcga aggaggagga ggaggtggag 60
tcgccaaga aaggagcggc tctgtcgccg gtgccggagg ctatcgatc cgccaccgac 120
gcaacctcga aggaggagga ggaggaggag gtggtggagt cgccaagaa agaagcggct 180
ctgtcgccgg cgccggagcc tatcgatc gcccgcgcaa cctcgaagga ggaggagggtg 240
gtggaatcgc ccaagaaaga agcggctctg tcgtcgccga cggcgccgga ggccatcggt 300
gccgtaacag cagtgaaga cgtggtggcg gacaagtctg tgacggttgt g 351

<210> 23009

<211> 392
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-G3

 <400> 23009

 gccacgcgtc cgcccacgcg tccgcccacg cgttcgctcc agcgagttgt atccattgca 60
 cccctcgccg cgccccggca ccgagccgga cggcggacgc cctggacctc atgtgcttct 120
 cctgctcagc taattggagc aacggccatt atctgcttcg tcgcgcacgc atgtttctcat 180
 attccacgcg cccccgccg tcgtaaccac cgggcaacca ccggccggt cactcagtac 240
 gccgcgccc accaccagct cagcttcagc cgtgcgacgc ttgtaccccg ccccgctttc 300
 agccgagccc ctttcccctt atatcaacca accccaccac tctctactct ctgtacccaa 360
 tcgccactac gcgactgcta gctactcgat cg 392

<210> 23010
 <211> 381
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-E9

 <400> 23010

 cccacgcgtc cgcccacgcg tccggccagc cagccatcgt cacactgggtg agctctgcag 60
 tctgcactct gcttagctcc gagcttcagt gccttcgttg ttagctgtta gctccacagt 120
 ccacagtcc acacacacgt ccagctgcac tgcaccaatg gccgccgtcg aggtccaggt 180
 cccgactgcc gctcccgtcg aggaggtgc tgctgctgct gcagcgggag tggaggctgc 240
 ccagctggcc gccgtcgaga ccccgaaacga ggagaccgct gctccggcgg cggagaccga 300
 ggctgctgcc gctaaggagc cgggtgctggc cgaggccgag actgagtcca aggaagtcga 360
 ggctcgaggcc gatgccgtag c 381

<210> 23011
 <211> 354
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-F1

<400> 23011

cgcagaccgc gtcgagaaga tgctcgccgt gctcgacacc aacatgctct gagtgaaccc 60

tgactgtggt ctcaagacac gcaagtacac agacgtcaag ccctgcctga ccaacatggt 120

ctctgtcacc aagctcatgc gcaccaact tgacagctcg aaatgaggta cctagatagc 180

tccatggtct gatagctcag aatgaaccag atgttttgac ataatttggg tgatacccg 240

taggccatgg aggaagtgat acgttagcct ctcatgtgtg ggatacacca ttacaaagat 300

gcgttctaag aacggagtga gagcttttct ttgcgctatg aatctggggg tatg 354

<210> 23012

<211> 431

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-F11

<400> 23012

cccacgcgtc cgggccacct gcatgacggg cccgtacccg gagctgtgcg tgggggagct 60

gggacagcgg ctgctggacg tgcagacgtc gatcgcgctc gcggcgcccg accagcgcgc 120

ggccaggatc gcgggcgccc cggggcaggt ggacgtcagg gcgctggtgg ccgtggcgct 180

ggaggcggcc tcggaagccg gcgcgcgtcg ggtgtccatc ttcgagggca agctccccgg 240

gttcaacacc ggctgccccg acttgcgccg ctgcctcggc aactgcaccg tcaccatgcg 300

cagcgccatg cagaagctcc acggcgccac cgtcgcgctg cactcgggcy acacgcaggt 360

ggccaggacg ctgcgatgc gctctgccgn cgacgtctcg tncctgcaccg tcagctgcag 420

ggagctcaac g 431

<210> 23013

<211> 147

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F2

<400> 23013

cccacgcgtc cgcccacgcg tccggctgta acacgagtgt atagttcaac gttttccct 60

tcaaaacact gtccatagcc agctgcatag tacatttgta agtttttagaa tacagatcaa 120

atgattcaat tcgcttctta tttgctc

147

<210> 23014

<211> 151

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F3

<400> 23014

cgcacgcgtg ggcgacgca tggcggact cgtgtgctga cgcgtgggct gaatttgagg 60

gtattacacc gtcaacatcc gcagggtgctc atagctgatt ctacacttat ctccattctg 120

tcttcgtcca ccacactaat gctcaccccc a 151

<210> 23015

<211> 469

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F4

<400> 23015

cccacgcgtc cgaccacgcg tccgcttgcg cgtccgttga gagatagcaa gcaactgcgt 60

gccttttagga gacgcgacgt cgttcgtcat caagatcagc gaggccttgc tgagcgtgac 120

ccttggtgagc ctgctgctat gtgcgctatg cagcaccgcc gttgcccact ataaagacat 180

gcacgttctc ggcattgtag actgctgcag cgacgcgtgc aaccccgagt ccgattgccg 240

cgtcgactag cggacatcat gctggctgat acggaatctg atgcgccggc gccgtcgccg 300

gcgccggtga cgtaatcctg ttgaacgtgc aagctttcgt acagactatc acggtgggtca 360

agaccgctaa ccagttaacg tctcgaaagt gactgcgcct actactgctc ttgccatatt 420

gatatataga tgctcatagt gagcttaagc ctatgacgtt catgctatt 469

<210> 23016

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F5

<400> 23016

gccacgcgtt caccactcg ttcatttact ttttctaca tcaatacaga aatatgaggt 60
 ggctctgctg atgctgacat gtgggtacct tggaattatc ctactctgat tgaagatggg 120
 catcttctca tactgcctat tatgcaaatt actgactgat acttcccttt attctgggaa 180
 acaagctata gctgatgatg cttctgatec tttgggtctac ctctgccttg accttcatgc 240
 atatgctacc gagatcgatt aacacatcat aacaatactc cctgataaca aggctgatct 300
 ggtgccgctg aatatcaagc agagatcgac tgattattct aaggcccatg acattctcta 360
 tttgttc 367

<210> 23017
 <211> 445
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-F6
 <400> 23017

tgtcgtccgc ccacgcccgt ccgcgcccga tcaggctgcg ctctcagtgt cgagcantcg 60
 acagggcgtc gggagcaggc ggctggcgag tgaccgagga ggttcgtgag cgaggatccc 120
 aggagcctcg cgagcgggtc agcagcccgg gcgtgcgggc gctgcgggtg ggccggcgag 180
 gcgtggagct ggagctgcga ggcagcgctc ggctggccgc tgtctctgcn ggatggctca 240
 aacggaggaa gcagcacgca gcagcagctt ggagcatggg gcggtggaac gaggcggctg 300
 atcgactgcg ccggcgagtc cgcgcgcgcc gcggtgggcc gtgccttctc ctcgatgggtg 360
 ctcatcatcc gggagctcca gagcttcacg ctgcanatgc gggaggcggt cgtctacgag 420
 gacctgcaga gcgttctggc gcgcg 445

<210> 23018
 <211> 464
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-F8
 <400> 23018

cggacgcgtg ggcgatcacg acaagatggc gtgcacaaac aatgcgatga gaccttgtt 60

gctcctggtc ctcttctgca tcgtgcatgg tgagaaggaa gagtcaaagg gcatcgatgc 120
gaaagcgctcc gggcctgggtg ggtccttcga catcaccaag ttgggcgcct ccggcaatgg 180
caagacagac agcacgaagg ctgtgcagga ggcatgggca tcggcatgcg gcggcactgg 240
gaagcagaca atcctcatat ccaaggggtga cttccttgtc ggacaactca acttcacagg 300
cccttgcaag ggcgacgtga ccatccaggt ggatggcaat ctgctggcga ccacggacct 360
aagccagtac aaggaccatg gtaattggat cgagattcta cgcgtggata acctgggtcat 420
caccgcaagg gaaaccttga cgggcagggc ccagccgtgt ggag 464

<210> 23019

<211> 415

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-F9

<400> 23019

ggcagcaaca caagccaatt aattaacatg tcatcatgtg gatgaatgta tcttcttgtg 60
cagtggtaac tagtacaact ggactccatt caacgacaaa caaataaata aataaataac 120
tcagtcctaa tttaccacca aacggcaatt gcgaagaaac caaaagaaaag gtggccaaaa 180
ctaggacaat ctctgttcga tgatttaagt atgatacaaa atctaattgcg acatcagaac 240
atttgaagtc cgtaatcatt tgggcgcccc tatacaagac tgccacggac ttgtctgagc 300
acacattggg ggcattagct tactggtggc cgactgaata tcatcagttt tcaaacagag 360
acagaaatca ttccctcttc tctggtttct ggaccttgac atacngcaag aatcc 415

<210> 23020

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-G1

<400> 23020

gtagctcttc accaagaagc atgacaaaga gtccatcagt cacatgcagg aagcctctcc 60
agtctgacaa tacttctcac agtcaagaag aggactcata ttctgtcact tcttcaactg 120
taacttcagc gagagctgga aaaactaaga agacaactgt tgctgttgca cctacatttg 180

tctgtgataa tcgtgctgag aagagaggag agttttacac aaaattagaa gaaaagcgca 240
 aggcttttga agaggagaaa ctccaagcag aggccagaaa gcaggaagag gaagaagaag 300
 ctctaagaca actgaggaag aacttgggtcg tccgagcgaa acccgtgccg agcttctacc 360
 aagaaccccc accaaagggt gaact 385

<210> 23021
 <211> 261
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-G10
 <400> 23021

ccacgcgttc gccacgcgt ccgcccactc gtccgtcttg atgacgatga tgactccagg 60
 ggaagcgaaa gatcgacaaa ggtggcatct gaggcagcag atataggaag atcagccttg 120
 tttccagctt ctgctttatc aaacactttc gggttcaaga ttcaggacag gctactgaac 180
 aatgcacaga tttaactgtg aaatgagcat cttgacagac ctgataacta gcattctata 240
 gagggtcggc gacgacattg a 261

<210> 23022
 <211> 387
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-G11
 <400> 23022

ccacgcgttc ttcgacgctg gcgcgggctc gaggaccttc ccgaattagc gtccgctctg 60
 acttcagttg accctgcctt agccacatgg ctgcagcccc atcgaattct gtttctggcg 120
 tgatggctgt tcatgttcac cgacaccgta tcaagggtccg ctatgtccaa actatcatgt 180
 gtgcaatgtc aactggaaga gagcactgtg caatctcgac tggcattagc ggtgatcaat 240
 ccaagggcgt ttgcggtgga tcatcataca aagttatttg agcttacaac gccggttcgg 300
 atacatccgt tatcgttcca tggctcaggg agatctattg ctgtaaagtc ttctgtttca 360
 ctgctgaagc tggcagaggt gccattg 387

<210> 23023
 <211> 458
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-G12

 <400> 23023

 cggcgangcg tncgcggacg cgtgggcagg cctcaagttc accatcactg tctggaaaac 60
 tggagtcaaa gtggagaccc agaagatgat gctggggacg ttcagcccc agctagagcc 120
 ctatgtctac gagggcgaag aatagaccac ccctgctggc atttgtgcga gaggatctta 180
 ttctgccaaa ctaaagtgtg ctgatgatga tggcaagtgc ttcctggaga tgagttacta 240
 ctttgagatt agataggagt ggccaggatc tcaatgatgt gtggaccagc atggctgact 300
 cgtcagagta tgtagagct catagctgag ccaagcacia gatgtggact catcttcgag 360
 aatgatttcc attcgatact tcgtcttgga tcgcattaca atttgctttg aatcgtcatt 420
 gtacagtcgt catgacataa aactggttat tcatcaca 458

<210> 23024
 <211> 391
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-G2

 <400> 23024

 gctctgcgtc tgcgtctgcg tctgcgtctg cactgcttcg cgtctacctc cccccgcctc 60
 cgctccgcc cgggcaaaaa gcaaaacacg gccatggaag gctacgaccg cgagttctac 120
 cagttcagcg accagctgcg cctgcagacg gccgccttct cgggcctcta cctcggcgac 180
 tccatctggt cccccgccgg ccggcgcaac aacagcaacg acgtactctt cgccgnctac 240
 gcgtcgcccc ccgacgccgn cgacaagagc aacgccgtcg tcgggctcaa gctcaacgac 300
 ggagggcccc gcctcatcgg ctccgggaag ctggccttcg gcggcgccgg aggcggaggc 360
 accaacaagg ccgaccgcta caacaacaac a 391

<210> 23025
 <211> 421

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-E7
 <400> 23025

gtgatccttg aacaaaattg ttcccttgac atgtcccaga tgatgagatg agtgtagcca 60
 tagtttatct ctaacttcct gctaagaaac tgacagaaag tacttttttt ttccctcttt 120
 cgatcttcgt aagggattga agctgcactg ctgcaggaca gcagaaggct tctggtgcaa 180
 aatttgcaac ctctctctcg ttggagtgcc tgttcgcctc gctttaatct gtttctacaa 240
 tgtttttgtt ttcatgtatt gtagctgtaa cagtctaagt agccgcgatg gcaatcgtgg 300
 gaagcaattg aacgaattgg tgttggtact gtcgtttcgg aactgaaag accatctntc 360
 tttgcttgct ttgccccgaa aggaggaatt ttgcattaat aattaaatac attcttgagt 420
 g 421

<210> 23026
 <211> 475
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-D2
 <400> 23026

cccacgcgtc cgcccacgcg tccgcgggag cacagagcta gctagccagc cagccagcag 60
 ccagcttgct cgccgcgccc gtccttcttc ctgcctcctg ttccgttccg ttccgtcccc 120
 cccgcgcgcg ccgcccatt cagggatgga gatgaagaag atcgcttgcg ccgtctctgt 180
 cgccgcctcg gcggccaccg tggcgctcgc cgcggaggct ccggtctccg gccccaccag 240
 cggtctctcc gccgtcgcgc ccgcctcgg cgcgcctc ggggccgcg tcgcctcctt 300
 ctgccttac tacattcagt gagccggccg cggccggtcg cccggaggcc gaagaagaga 360
 cgaagcggga gagagagtga catggctgcg cgcattccga tgcgtgggca tgtttttgat 420
 tcgacacacc ttttgcctc tttttctttg ttccctcttt ctgcttaatt taacg 475

<210> 23027
 <211> 212
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D3

<400> 23027

atgaaaatta atgcgtccaa tgattcatat ctctatatgc atatctctct gctctgcctt 60

gttggctggc tcttctcatc attccctagc agatcgcata gtattagttg catgcattat 120

attgatgatg caggtatttc gtcgagcaac aaggcgact atcaattgtt tttgtaatac 180

ccaaaattag tgaataaagg gaaactgggt at 212

<210> 23028

<211> 471

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-D4

<400> 23028

cccacgcgtc cgccgaagag agaaacgcga gcaaccagcg atcgccccat ggccgccatg 60

gctcgttccg tctccctcgt cgtggcgccc cttctcctcc tctccctcct cgtctccgcc 120

gcggccagtg cgcggaacct gggcgacacc gtgcaggacg cgtgcagcaa gacccagttc 180

cccaagatct gcgtggacag cctcgccgcc aagccggaga gccagaaggc gacgccgcgc 240

aagctggcgg agctgttcgt gaacatcgcg gccgagaagg gatccgggat ggccaccttc 300

gtgcaccgca agtacagcga caaggaggac agcgacatat tcaagtgcta cgacagctgc 360

tccgacgacg tggaggaggc cgtcgcccac ctcaacggcc tcgtccggga gcccaccgac 420

gccaagttcc tcgagctcaa gtcgtggctc ttctncacgc tcggcggcac c 471

<210> 23029

<211> 397

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-D5

<400> 23029

cgcagcgtcc aatccccgcg cgtcttcaag ccgcgccacg ccgtccgggc catggggcac 60

caatggcgac cccacccgcc accgcactca cctgctcctg ccgcccttcg tcgccctcct 120
catcatccgc cgccttcgcg cggtgaaca tcttcgcccc cgtctcgggc gccattctc 180
ctcctcgacg ccgcctccgt ctgcgcgat tgcacgtcgt cgacgactcc aaggaccccc 240
ccgaggagag gtctgagacg gataagatgg tcgacggcat ggacttcggg gagctctgca 300
gcgacttcga gtgcataagc agcncctacg tggagtcgac ggcgaggcag gtcgcgcggg 360
acatnctgga gctccgcgag gacaaccgcg cattcaa 397

<210> 23030

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D6

<400> 23030

gcgatcgtcg gagcagagag agacttcttc gcttgcattc catcccgcgc ccgcctcttc 60
tacggctcgt aataagcagc cgcattccagg gatggagatg aagaagatcg cctgcgcctg 120
cctcatcgcc gcctcggcca ccgtggcgct ggccgcggag gcgccggctc cgtctccac 180
cagcggctcc tccgcggtcg caccgcgat cgtcggggcc gccgtggcct ccttcttcgc 240
gtactacatt cactgagccg ccggacgagg agccggagcc ggagggaaga gaccaaggtg 300
gggggagaga cttggctcgc ctgcgctgct ctgctgctcc cgcgcattcc cgatgcgtgg 360
gcgtgctctg attgggcacg gcggtggcag tggcacacct tc 402

<210> 23031

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D7

<400> 23031

tgctcatggg tttttcacta atccagatct tttccctact gggcaagatc tctgtgatga 60
tatatgggtg attggcatct cttatcttct gtggctatat catctatgac acagacaata 120
tcatcaagcg ccacacatac gatcaatata tatgggcagc tgtttcactc tacctcgacg 180
tcatcaactt gttcctgtct ctgctgcagc tgctgagggc agccgatagc tgagctcatt 240

aatggagtgt ttggtttgag aaatgatata gtccatcatc ttctcactcc tcaactttttt 300
 gtttggtttg tggaatggag tgagttaatc caccaccacc tcattcttta taattagttg 360
 tttagtacta atatgtggaa taaagtcac cact 395

<210> 23032
 <211> 472
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-D8
 <400> 23032

cggaatggaa gtcccggccc gagcgacgcg tccgccacg cgttcgccga agagagaaac 60
 gcgagcaacc agcgatcgcc ccatggccgc catggctaga tccgtctccc tcgtcaaggc 120
 gccccctteta ctactctccc tcctcgtctc cgcccgccgc agtgcgcgga ccgtgggcga 180
 caccgtgcat gacgcgtgca gcaagaccca gttccccaag atctgcgtgg acagcctcgc 240
 cgtcaagccg gagagccaga aggcgacgcc gcgcaagctg gcggagctgt tcgtgaacat 300
 cgcgcccgac aagggatccg ggatggccac ctctcgtcac cgcaagtaca gcgacaagga 360
 ggacagcgac atattcaagt gctacgacag ctgctccgac gacgtggagg aggccgtcgc 420
 ccacctcaac ggctcgtcc gggagccac cgacgccaag ttctcgcgc tc 472

<210> 23033
 <211> 365
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-D9
 <400> 23033

cggacgcgtg ggcggacgcg tgggcaaaga tagcatagca gcagcactca caatagcaaa 60
 aaccaccatc cgtcgtcgcc aaccgtagca agaacatcac caccgcccag caataatggc 120
 gcagagcatg aggattgtgg cgctggccct ggtggccctg ctggtggtgg cggcgccggc 180
 gcccgtggcc accgcgtacg gctgctacga cgactgctac gagcgtcgc ccaacggcaa 240
 gaaagacccc gcctgcacca agatgtgcaa ccaggcgtgc ggctccacgg atcaaggcgc 300
 cgggtgccgtc ggcgccgcgc cggcttgatc gcccaacgca ttcacgcgtt cagctcgata 360

taatc

365

<210> 23034

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-E1

<400> 23034

gccgccacca cgctcattag ccccaaatag aggcagacat gcagataaac gtgcgatatc 60
cagctcgagc agtacttcaa acagcacaag cggcgaatca tttaaaaata gaagagtacc 120
aaatcgcccc ggggataata acagtaatct gagctcaaat tctgatgttc ataaaccacg 180
gcgcaaaagg aggcataaga agaaaagaaa gctgcaggca tgatgaatat tcccaaagcg 240
cgtgaactgt ggggggtccg tggaaattca gattcccagc gaagtttga ctttgagcat 300
ggccaatttg gagaagttga aaaaaaata gacacagcat gtgcgatgtg tctgagcaag 360
ttgattgatt ct 372

<210> 23035

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-E10

<400> 23035

caatcatcca ccgcgccgcc gcagaggcct cgtcctcacc ttccccgtag gaagccgaag 60
tacagccagc agcgtcgcca tcagcaccca tcatggccga ctacgagcag gagcaggata 120
tggaggtgga ggcaactgcag gccatcctca tggacgacat caaggagatc gacccgagtg 180
agagtgggat cgccaccacc gcccggtgct tccagatcct actctctcct caggatgatg 240
attttgatga gtcagcttat gtcccagttc aactggccct gatttttgcg cacttgaga 300
agtacccga tgaaccttca ctactaaatg tgaaaagtgt acgaaggatt aaaccacatg 360
atcttgcatc cctgaaggaa aagcttgagc aagaggcaaa agagaatctt ggcattggcta 420
tggtctac 428

<210> 23036

<211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-E11

 <400> 23036

 cccacgcgtc cggacgacgg caccaaggtg gcggtgaagc gcgggagcgc ggagtcggag 60
 cagggcatca acgagttcaa cacggagatc cagatgctgt cgaagctgcg gcaccggcac 120
 ctggtgtccc tgatcggcta ctgcgacgag aaccaggaga tgatcctggt gtacgagtac 180
 atgcacaacg gcgtgttccg ggaccacatc tacggcagcg aggggaaggc gccgctgccg 240
 tggaagcagc ggctggagat ctgcatcggc gccgcccggg ggctgcacta cctgcacacg 300
 ggcacggcgc atgggatcat ccaccgcgac gtgaagacca ccaacatcct gctggacgac 360
 aacttcgtgg ccaaggtgtc ggacttcggg ctgtccaagg acgggcccgg gatgaaccag 420
 ctgcacgtga gcaccgccgt gaagggc 447

<210> 23037
 <211> 282
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-E12

 <400> 23037

 ctcgctctcac cctccctccc tcacacaaat aataaggaaa ggtcccgcgc ttttcctccg 60
 acatccacaa ggggggaggg gaaaacacgt acattcaccc ggcggaata atggcctcgg 120
 ttccggctcc ggcgacgacg accgccgtcg tcatectatg cctatgcgtc gtcctctcct 180
 gtgccgcggc tgacgaccgg aacctncccg actacgtcat ccagggccgc gtgtactgcg 240
 acacctgccg cgccgggttc gtgaccaacg tcaacgagta ca 282

<210> 23038
 <211> 429
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-E2

 <400> 23038

cccacgcgtc cgcccacgcg tccgcccacg cgtccgccc cgcgtccgcc cacgcgtccg 60
 gccacgcgtc cgcgagagag gaacgcgaac aaccaacgat cgcctcatcg ccatggctcg 120
 ctctgtcccc atcgccgtcg ccgtcgcgcc tctgtctctg ctctctctcg tctccactgc 180
 gtccgctgca cggaccgtgg gcgacaccgt gcaggacgcg tgcagcaaga cacaattccc 240
 caagatctgc gtggacagcc tcgcccgaac gccagagagc cagaaggcga ccccgcgccg 300
 gctgggggag ctgttcgtga acatcgcggc cgagaaggga tccgggatgg ccacgttcgt 360
 gcacgggaag tacaacaacg ccaaggacag caccgtgttc aagtgtctac acagctgctc 420
 ggacgacgt 429

<210> 23039
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-E4
 <400> 23039

cccacgcgtc cgcccacgcg tccggcgaca tttcgaataa cacagttgag cgcgacgatg 60
 ggatccctcg ctaataacat catggctgtg ggtgtcgtcc ttgcagcgct cgtcgccggc 120
 gggatcatgcg ggcccccgaa ggtgccgccc ggtcccacaa tcaccaccaa ctacaacggc 180
 aagtggctca ccgccagggc cacctggtac ggtcagccca acggtgccgg cgtcctgac 240
 aacggcgggtg cgtgcgggat caagaacgtg aacctgccac cctacagcgg catgacggcg 300
 tgtggcaacg tccccatctt caaggacggc aagggttgcg gctcatgcta tgaggtgaga 360
 tgcaaggaaa aacctgagtg ctcgggcaat ccagtcacgg tgtacatcac tgacatgaac 420
 tacgagccta tcgtcccta ccacttcgac ttgagcg 457

<210> 23040
 <211> 375
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-E5
 <400> 23040

ggtgatccta agggagtact aatctcgaac aagagcattg ttaccattgt ttcagcagta 60

gatgagttcc tcagcaactc aaacgagcag cttaacatgg atgacgttta catttcctat 120
cttccgcttg ctcatatatt tgaccgggtg attgaggagg tgttcattcg tcatgggtgct 180
tcaattggat tttggcgtgg ggatgtcaaa ctcttggttg aagacattgg agaactcaaa 240
ccaacagttt tttgtgctgt tccacgtgtt ctagacagaa tttatggagg attgcaagat 300
aaaattacag ctgggtggtt cctaaagaaa accttggttca atgttgctta caaatacaaa 360
caaggcaata tgttg 375

<210> 23041

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D12

<400> 23041

ggaactacag tgaaagataa atgtatgcat attacgtaga gaaatgaaag ataaatgctc 60
tggcatatgt atctgtacgt agactcagcc agtcggcggc tagcgatatc gccagcgaca 120
ggcgcagcgg accacggagg acaaagatct ccgctttgaa agggacgcga catgaacaaa 180
gacaaaggtc atgacacgga gactcacgga ccaaggaggc agataactgg gaatacacct 240
gtggaaacgg tgaagggtcc caatctgctt gagcgagcaa aggaagagat cgaggccctt 300
gccggagctg ttcatactaa gatggagcac cattccagtc cccacgcgaa gaaggatgaa 360
tcacataagg aaggcaagga ggggagcctg cacaaaataa aagcccacac ggatgaaact 420
cacggaacaa gtgctgacat atatgagaac acac 454

<210> 23042

<211> 262

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-E6

<400> 23042

gcgatcgtag gagcagagag agacttcctc ggcttcatcc catacagacg tcggcgtctc 60
gacgggcgct aataagcagc cgcgtccagg gatggagatg aagaagatcg cctgcgccgt 120
cctcatcgcc ggctcggcca ccgtggcgct ggccgcggag gcgccggcta cgaattacac 180

cagcgggtgc ttcacgtca gagccagcat cgtcggggcc gccaggggct ccttctctgc 240
ggactacagt gactgatccg gc 262

<210> 23043
<211> 405
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-026-Q1-K1-B8
<400> 23043

cccacgcgtc cgcccacgcg tccgaggaga cgcactgtgt tgttgcaatc aaaattgtgg 60
gcttcttggg gcacattttg ctcttgattt cattagtagc atggatgaatg gagggcacat 120
tgtgattttt agatcagaat tgtgggttct tgggctgcct taatgtgttg atttcttttc 180
tttatacgat gatagatata gaattgtcta attgcaggta caaggtagta aagccatcat 240
gtttaccagt ttgctacatg ttctctcaat ttggtagtaa ttttcagttt ggaacatgta 300
atctgagtgt tagtcagttt gctacatggt tctgaatttg tgtcaatctg agtttggacc 360
atgttatcaa cttttgtcaa tttgccacct gtaagtggcg ctgca 405

<210> 23044
<211> 451
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-026-Q1-K1-B9
<400> 23044

cccacgcgtt cgcccacgcg tccgggacat ctttaggact gcagtgcgc ttcagatacc 60
cacagattca gataaaacat ggcataatgta gtcataatgc tctccttcta tttcctgtca 120
cttgatgacc tgtttcacia agctcaattc atattaaaaa ggatactctg cattctcttc 180
atctttaagt acggtgatcc atatttttat aaacattgtc ttggaaagct ggaagggtgc 240
atacattatc catgtgttag gtgggcaagt catcttacgc caatgagaag cttacgttga 300
agtcaatgcc ttggcacaac taatgacatg gaaaacaacg gtctaagtta acatgggctt 360
cagattgcat tgctgggaaa gatggaatgg aattcaaatt ttgggtggccg cacaagtgtg 420
aagacttgaa ttcatatata tacttagtta g 451

Jc675 U.S. PTO
 09/394745
 09/15/99

<210> 23045
 <211> 326
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C1

<400> 23045

ggactcgccc gccgtggcgg acgtctggcc gtccacctcc gcgttcgatg ggtacctctc 60
 cgcgctctcc ccgatccagc ttgttcgcag caacagccgc cgttttatgc cttctcaagc 120
 tgatgaagaa attcatcagt tgtcctttct gcaaaagcat atggcgaata ttcttactct 180
 cttggcagat tctgttgagg gtgaggggta cgattcactg gtattgacaa tggagacttt 240
 tgagcacctt ggatttctag ttcagttctc agaaggaact tctttaacca ggctgctaca 300
 tttttgcaaa ctcagaccca gacatg 326

<210> 23046
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C10

<400> 23046

ggactatgac tcgagcatgc catgctgtgg cgatgacata taaaaatcga cgcacaagat 60
 tgtcatatgt gacatcgagc cacctgcatt gatccgagag aactgtgggt gcgcattatg 120
 gttgacgcca cctgaataga tgtgtggcat gatggtcgat ggcagtcaat gattgactga 180
 acctgagaaa ggttattggg ctacaatcta tgcagagcta gatgtactta tgcccaatgg 240
 aatgaagtga atggcttcgt cgctagcacc ttgttggaat atgtacgaag atgttgatca 300
 tatacaccat ggcaaagtga acacgatacg gtaagtgttt atggcatgcc tggactaacc 360
 tagtgctgat ccacctatag tgaagtagat gtgcaccgca tagcgtact gctttgctta 420
 ttgactgcat tc 432

<210> 23047
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C12

<400> 23047

cccacgcgtc cggtcaaaat catgacctg gctaagcatg aaaagttttt tgatatctta 60
tatctacaga aactatagtt gaggcagctg catgcttgct ggcaccggcc atccaaactt 120
tgacatggga gtacgtccac ccagtttcct ggtgacagtg agatttttgg ccatggcttc 180
catgatatgc tctagttttg ctgttaaact tcaactgatt gttctatggc agcaacaaga 240
gaacagcacc ttgtgattat tccggaggca catcaggggt cgttgacagc gatgcaatca 300
tcatatggtg gatagtggat agtgaatagt tggcgtcaca atttttgttc ccatagtcgt 360
cacgattagc catctgtcaa agtactctct ctcttcgttg aataaggtca tcaagaaggc 420
cggtcattta cttgtgtatt ctgtacttta t 451

<210> 23048

<211> 479

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-C2

<400> 23048

cccacgcgtc cgcccacgcg tccgcggacg cgtgggggaa gagcagtttg ctgaaaattt 60
tactcccaat tatactgtgt gtgctgtac tcatgcttg agcccttgtc tggacatgta 120
aaagcagagg caaacggcaa aagaagagag ttcaaaagag aaggatgcta gaatacttga 180
gttctactga tgacgctggg gacaagaaca taaacttccc atttattagc tttgaaaaca 240
ttgtcacagc aacagataat ttctctgaat ctaatttgct tgggaaagga ggttttggca 300
aagtgtacaa gggaatgttg gaaggcacia aggaagtagc tgtcaagaga cttagcacgg 360
gttccggcca aggcaaggag gagttcaaaa atgaagtagt cctaattgca aagttgcagc 420
acaagaacct agttaagctt ctcggttggt gtattcatga agatgagaag ctgntagtt 479

<210> 23049

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C3

<400> 23049

cccacgcgtc cgcccacgcg tccgacgacg cgtactatcg attcgcaagc ggatgggcgg 60
cgtcttacta tccaacaccg cgccgggtccg gattaattcc ttctcgaccg gacagcgcaa 120
tgctgtgcct agatcgatcg gtgcgaaggc aagtgatgcc gctatatata tatatatata 180
tatatatcta tgtatgtata tgtatatagg agattcttgt agcgagctct taacgcgatg 240
ggtttaccgg tctctacta ctgcatttgc attggcggcg acgttgaatt ggcgacatgc 300
aaggtcagcg ttaggtacgt cgctacatgg gaaaccccca aggtcatttt g 351

<210> 23050

<211> 413

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-C4

<400> 23050

gcgggccgctt tttttttttg ttaatgtgta tttctcgtgt tacacttgta accaataact 60
tggctgcttt acacaattac acctatacaa cataaacatg actatgcaca ttctgatacc 120
tcaaaaccct acgtcagctg accatctgca aaacttcatt ccctaaccgg agatcaatta 180
ttgcccccg tccaattttg ggggaatata atgacacgaa agggaacaac ttgacagtac 240
tgtgaaccct ttgaacgccc ttcataacat caaggagcaa gtacaagaac ttttatgggt 300
ccctgactgg tagcagttaa catcgtangg ctatcactct tncagcagac agcactaatg 360
aaaatagacc aggatcatca tcggcatcat ccgggtcaga agatacaaat cta 413

<210> 23051

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C5

<400> 23051

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttaaaaataa aaaaaaaaaa aaaaaaaaaa 60
aaggaaaaaa aaaaaaaaaa gaaaaaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaat aaaaaagggg tggcggtttt aaagtttcca agttaagttt cgggggcttg 180
 caatgcttaa gttttttttt ggggaaactt aatttaattc tatgggcgtg atttttaaaa 240
 attcgtgtct ggaaaacctt gggcggtacc aaatttaatg gcttggagaa atatgccttt 300
 t 301

<210> 23052
 <211> 431
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-C6

<400> 23052

caagttcttc cacatgaaca tgtaccggtg caaggacatg ctgatcaagg acgtgaccgt 60
 gacggcgccc ggggacagcc ccaacacgga tggcatccac atgggcgact catccgggat 120
 cacgatcacc aacaccgtca ttggcgctcg tgacgactgc atctccatcg gccccgggac 180
 ctccaaggtg aacatcaccg gcgtgacctg cggccctggc cacggcatca gcatcggcag 240
 cctagggcgg tacaaggacg agaaggacgt cacggacatc aacgtcaagg attgcactct 300
 taagaagacg atgttcggcg tccgcatcaa ggcgtacgaa gacgccgnct gcgtgctcac 360
 cgtctncaag atccactacg agaatatcaa gatggaggac tcagtcaacc ccaatttcat 420
 cgacatgaag t 431

<210> 23053
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C7

<400> 23053

acaacgagct ccgtgtggct cccgaggaac acccgcctct cctcactgag gcgccctga 60
 acccaaaggc taaccgtgag aagatgaccc agatcatggt cgagaccttc aacacccccg 120
 ctatgtacgt cgccatccag gccgtcctgt ctctgtatgc cagtggctcg accacaggta 180
 tcgtgctcga ctcgggagat ggtgtcagcc aactgtccc catctacgag ggatacgccc 240

tccccacgc catccttcgt ctgcacctgg ctggccgcga cctcaccgac tacctcatga 300
 agatcctgac tgaacgcggc tactccttca ccaccactgc tgagcgggaa attgtcaggg 360
 acatgaagga gaagctcgcc tacattgccc tggactacga 400

<210> 23054

<211> 312

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C8

<400> 23054

cgtttaagaa attcgccgct tgatgtgtgg atccgctcgcg gctgccgtca agcatagaca 60
 ccaagaacca gacctcgggg tggatcatcg gggctcgcga ggtctactgg atgggggtcaa 120
 gaagtatccg ggcaagtcgt ctctgggaac cctgcttatt gctcgccgga tgctagcgcc 180
 gtcgtggact gcgcggctcc gagaagtcga ggtcgtcgcg acatatcca ggtaaagagc 240
 catccgatag gatcgtagtg ttgcgagcat cgtgttgctc ggttggcggg gtagtttggg 300
 gcattggcgt gc 312

<210> 23055

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C9

<400> 23055

atcaaatgct tgttataagc agtggtaatg agaaatatga gataatgaat gctataaatt 60
 ccttaatgct tgatgggaaa tgggtcaaac aagaatcttc tgtcaaggaa gtagtttcca 120
 ctgctagggt ccaaagttaa aagaaactgg tgaaagagaa gctgcatcaa tgggtcatct 180
 gcaaagtaaa cgatgatgga aagggtccca atgttctgtg caaggaagga caggggtgtga 240
 ttcathtagt agcagcactg gggtatgatt gggctataag accgataatg attgctgggtg 300
 tcaatgtgaa cttccgggat gctcatggat ggactgcact ccaactgggct gcatttttgg 360
 gaagagagcg gacagttagt gtctcatag caaatggagc tgcagcaaga gcactaactg 420
 atccaacttc tgagttccct 440

<210> 23056
<211> 276
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-D1

<400> 23056

tgatctcttc ggtgctagag aaatataggc cgcgcgcgc tctcctcat tcggtgaaag 60
gtgcgcagtt aggggttgga gatctcttgc ctcacgacac gagcagcaga atttgtcgag 120
ggccgctggt tgctgcgaga gggccgggcc ttcgtgggat ctttgaaatt gaatgttcta 180
atggagtcca aagggtggcaa gaagaagtct agcagtagtc gttccttcct gatgtacgaa 240
agctcccttg gctacagcat cgaggatata ccgcct 276

<210> 23057
<211> 75
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D10

<400> 23057

ctccactcgt ccgcccacgc gtctgtcac gcgtcagagg actcttgccg agacgcgtgt 60
ggggtttcac acaac 75

<210> 23058
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D11

<400> 23058

cttcgtgatg gtcacgccc tgcacttggt cagcagccag cctagcagca gccgccgtgc 60
ccgcaagctc gacatggagg gcctcgagga gaagtcgccc gagtacgtgg ccgtcaagaa 120
ggcgtcgtcg acaccgcaga agagctcctc gtggctcggg aggagggcag ggtcgtcgct 180
tggtgggctt ggacacagac gggccgcttc tgccgcgaag gtggacgata taagcagcag 240
atccgcgggg gatctggtca tggtgaacga aagcaagggc gtctttgggc tcacggacct 300

catgaaagcg gcggccgaag tgatcgggag cgggtgggctc gggtcggcat acaaggcggg 360
 gatggccaac ggcgtggccg tcgtgggtcaa gctgctccgc gacatgaacc gggcg 415

<210> 23059
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B7

<400> 23059

cgcgctgtac gcgcagaagt ccgtcgggga cgggggcaag gagcccctgg acaagaagct 60
 gtcggaggcg gagaagaaga aggtcacgta cgtgggtggac cccagcggca agggcgacta 120
 caccaacatc accgcggcgc tggaggatat cccgggtgagc aacaccaagc gcgtgatacct 180
 ggacctcaag cccggcgcgc agttccgcga gaagctgttc ctgaacatca gcaagccgtt 240
 catcacgttc cggtcggacc ccaagaagcc cgccgtcgtg gtctggaacg acacggcggc 300
 cacgaacggc aaggacggca agccgggtggg cacgggtggg agcgccacgc tggcgggtgga 360
 gtcggactac ttcacggcgt acggcgtcgt 390

<210> 23060
 <211> 472
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-A2

<400> 23060

gattcaagtt gattaaggaa gttggcgatg ggactttcgg gagtgatatg cgtgctataa 60
 ataaacagaa tgggtgaagtt gttgctgtta agaaaatgaa gaaaaagtat tattcttttg 120
 aggaatgtat gggtttgctg gaagtaaagt ctttgcggcg catgaatcat cctaacattg 180
 tgaagctcaa agaggttatc cgagaaaatg atatattata cttcataatg gaatacatgg 240
 agtgtaatct ctaccaactt atgaaggata aggtcaagcc tttctcggag tctgaagtac 300
 gcaactggtg ctttcagata tttcaggctc ttgcttacat gcatcagagg ggctactttc 360
 atcgtgacct caaacctgag aatctgttag ttagcaaaga tgtcataaag ctagcagact 420

ttggtcttgc aaggggaagtt tcattcattgc cgnccatatac agaatatgtc tc 472

<210> 23061
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A3

<400> 23061

gcggcagcga gcagcaagcc ccgccggaag acgagaacta ggagaaagag cggtagctgg 60
ccgaggagaa ggcgtacgcg gcggagaagg tcgttcagca agagatgctc aagtacacca 120
aggagaaggg tctggtgtgc ccgaccaacg gcacggagtg gtacaagggc atcgaccggg 180
agttcgtgga cgtccacaac gagcttcgcg cgcgctacag cgtgccggcc atgaagtggg 240
acaaccagct ggcgcggcag gcgcggagct ggttcaacgc catgcgcaag gactgacaga 300
tcctgcacag cggccacgag tacggcgaga gcgtgttcag gagctacgac gactggaacg 360
tcaccga 367

<210> 23062
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A4

<400> 23062

cccacgcgtc cgcccacgcg tccgcccacg cgtccgagat gctaaagggc atcggcgtgg 60
tcggaatgat cgtggtgacc ccggagttgt tcggtccggt aatcattccg aggccgcacg 120
ccatcccacg ggtgcaagtc tctaacgcgg cggggcagaa gatcaaggcc tacatccaca 180
aggcgcgggg cccgacggcg acgttcgtct tcaaaggggc agcgttcaac accccaaggt 240
cgccgatggt ggcgccctta tcctcgcggg gcccgaaacag gacgagccgt gggattctga 300
aaccgacat catcggcccc ggggtgaaca tcacgacggy cgtgccctcg atcaggagacg 360
tggacctgct gcgcaacgcy gaggtgcccc ggttcgacat caagtccggc acgtccat 418

<210> 23063
<211> 444
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-A5

<400> 23063

gcgtccgcgc aaactctcgc ccgagcccga cagatcttca attccccatt ccgcccaccg 60
atcgaccttc acgccagtct cggctctcttc cgaaggcgtc gcgcgcgggtt gtttgagagg 120
agaggaggaa gatgagggag tgcattctccg tccacatcgg gcaggccggc atccaagtgc 180
gcaacgcgtg ctgggaactt tactgcctcg agcacggcat ccagcctgat ggccaagtgc 240
ctggagataa gaccgcggga catcacgatg atgccttcag caccttcttc agccagactg 300
gtgctgggaa gcacgttccc cgtgcaatct tcgttgatct agaaccact gtgatcgatg 360
aggtgcgcac tggcacgtac cgcagctctt ttcaccctga gcagctcatt agtggcaagg 420
aggatgccgg ttacaatttc gccc 444

<210> 23064

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A6

<400> 23064

gccacgcgta cgacaactct gacgagcggg accacctgtc attgtctgac ccgccgctcg 60
ccggacggca gcgcgacgag gacccgattg ccgcttactg ctacaggacc cagcatcgcg 120
tgctacaccg ctgatcgagc gaaccccatg caccctgac gtcctcgccg atcgaccgcc 180
taggggttac gcgtaccact ggctccccgc gccttattgg aggcgggtccc agatacctca 240
aactcacttc gcagctggat ccgctcgact caacaccggc gaattcgaga agtggcatac 300
gctgcagagc tgctatgcgt acaagtagaa cca 333

<210> 23065

<211> 411

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-A7

<400> 23065

cccacgcgta cgtccacgcg tacggtgatc ttccccgaac ccagcgccgc tcccgggtgga 60

cagggctacc gctaacgtcg gcgtcgacgc ctcaagggca cccgtgtacg gctctcgcg 120

gaccagggttc atggcttgga cgaggtccta gcggcagtcg gcgtgctccg acgaagctgc 180

gcctgcagta ctgccggcca tcgaggagcc tcagagattg ctgaagaaag tgggtggccga 240

cggcatcagt gcttgagaga gctgtggcgg cgcgacggga gcagcacagg acatgagtgc 300

caccaagaac cacgtcatgt gagaccgaaa gcgacgagag aagctcaacg agatgctcct 360

cgtnngctaag tcaactgcttc cgttcatgca caggggtgaac aaagcgtcga t 411

<210> 23066

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A8

<400> 23066

cggacgcgtg ggggccagaa gacagtgcag cttgttctac ttctgcttgc tctggtgtct 60

gtgccttgga tggtgattcc aaaacctctt ctattgaaga agcaacatca gcaaaggcat 120

caaggtcacc agtacgcaat gcttcagggc gttgatgaat cagtgggagc agagctgggg 180

gaacatcatg aggaagcaca tgaccatgag gagtttgagt tcagcgaagt ttttgttcac 240

cagctgattc acacgatcga atttgttctt ggtgcagtct caaacacagc ttcgtacctt 300

cggctttggg ctctgagtct tgcacactcc gagttgtcca ctgtattcta cgataaagta 360

ctactgatgg catggggggt taacaatgtc atcatcctta ttattggcat catcgtcttc 420

atatttgcca cggttg 436

<210> 23067

<211> 228

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A9

<400> 23067

cttaaaaagg catatggaaa tgccatgcat atggttcttc atgtaggccc tgatagttgt 60

acagtagttt ctaatttgtt gaaagaagga aaggttgaag cttggggagt ggagccttat 120
gatttggaag atactgacag tacttgcaaa agcctcgtgc tcatgggtctt tgtccgtatg 180
tctgatatta agttgctcct tccgtaccgt gcagattctt ttaatctt 228

<210> 23068
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B11

<400> 23068

cggacgcgtg ggcggacgcg tgggctgggg cctcatcggc ccgcgcagga tcttcggcga 60
cctcggcacc tactcggcgg tcaactgggt ctctcctggc ggccgcgtcg cggccctcct 120
cgtgtggctc gcgcaccggg cgttcccag ccagagctgg atcctgctcg tcaacatgcc 180
cgtgctcatc ggctccaccg gcatgatgcc gccggccacc gccgtcaact acaccacgtg 240
gatcattgcc gggttcctgt cggggtacgt ggtctacagg taccggcgtc actggtggga 300
gcgccacaac tacctgctct ctggcgcgct cgacgctggc ctggcggtca tggccgtgct 360
catctacctg tgcttgggct tggagaacgt cggcctcaac tgggtggggca atgatctgga 420
cgggtgccc 429

<210> 23069
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B12

<400> 23069

gaattagggg gcttcggccg gatccgcaac atcggggaac ggcgggaacc agggagctcc 60
cgccgcctag aaccggagct cccaatcgat ccactggccg ttgagccgac acttcaatgg 120
aagcccacgc ctgcgggggc cgccgcaccc tggaggagat tcggcagaag agagccgcgg 180
agaggatgca acacgccgtc ccgatcgcgg cgtctcacgt cgactctcac gggaacaaaa 240
gagctggagc tgagcatctt gctcgagttc aagaacttga aaatggcaac acggaattgg 300
agagggaaaa caaaatgctc ttgtccaaga tcgctgagaa ggaagttgag aaggacgccc 360

ttgtaaaccg tttgaatgat ctcgagcggg atgtagtgcc ctctttgaaa aaaagcttga 420
atgacattta tttggagaaa gatgctgctg tag 453

<210> 23070
<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B2

<400> 23070

cggacgcgtg ggggtgctcg ccccccgcc gctgtgccgc aaggcggccc gcgtgagcaa 60
gggcgggcgg cggcgctccg cctccgtggg gcaggccacg gagatctacg agctcccggt 120
ggacaacgcc ggcgctcgtc tcaaggtgga cgccagcgcc gtcgaggcgg tggcgctgcc 180
ggtgaagccc gccttgccagc tggaggagac gggggagctt gagaaggagg tgtgggccag 240
gttctacggc acgggcttct ggaggagcgt gtctcagctc gacgacgacg acaggtgacc 300
ggaacaatca ggcccgtgag tgagcgagcg atcgaccagc tcctccggcg atgcttaagc 360
aatagcatgc gtttccttgg ttgggtttcc ttcgttgttt tccgcggaaa taagagaaga 420
tcgaggaaaa ggaaatgtga tgcattgctg tcgactgact atacgagttt ct 472

<210> 23071
<211> 466
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B3

<400> 23071

ggagccatga agcatacctt cttttccctg ttcattctgga tggtaactttg tttgacaacg 60
ctaactcat gctgtccaga aggggaattct attccacagc tgatgttctg caaatattcc 120
agcagatgtg tgaagggtcg aaacacatgc acagctttga tcctccatac gtcataatg 180
atgttaagcc tggtaatgtt cttataacct ggcgtaaagg acaagcacct gttgcaactt 240
taatggattt tggaagtgcagg aggcctgcaa gaaagggaaa tccgtctcgt tctgaggcac 300
tacagttgca ggaatgggcc gctgagcatt gctctgctcc ttaccgggcc cctgaattat 360
gggactgccc aagccatgcc gatattgatg agaggacaga catctgggct ctaggatgca 420

ctcttttttgc tatcatgtac aatgtttcac catttgagta tgctct 466

<210> 23072
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B4

<400> 23072

ctcacacggt gtcccaactcc cacgggatgt acggccacgg ccacggccac ggcaagttca 60
agcatggcaa gttcaagcac ggcaagtttg gcaagcaca gaagatgttt ggcaagcaca 120
agaatatgtt cggtcgcaag tggaagtgat taacgtacag ctttaatccg attctggacg 180
agcagacgta tatatataca ccggagtcca gaatgctaag ttatgctatt ttgattgtga 240
ttcgaatacg ggaggttggt aggggttttcg aagtacgtac tgacggctgc ctgtaagctt 300
tgttggagct gttcttgccg tgttggcagt ccgaattaat ttaaccatcg attgtgtcga 360
acagcatctc cagctgccga caaatagacg agtgatcaaa gttttttttt 410

<210> 23073
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B5

<400> 23073

cccacgcgtc cgcggaacgcg tgggtgaaac agttaagaat tcatatataa gagtgcatat 60
atatatatat aattctgccg agacaaagggt aatggagtcg tcacgcatgt tccagccggc 120
catcatcctg cttctcctgc tcattgtgac caccgatgtg gcgcaggcgg cgagggaatg 180
cgagaaggac agcgagcgat tccttggggc atgcatggcg tcggacaact gcgccaacgt 240
gtgccgcggt gagggcttct ccggcggcag gtgcagcacc ttccgccgcc gctgcatctg 300
cactaagccg tgctaaatta acctactccc ggcagtttcg atggtggacg tttattctat 360
ctattggctt acttgattat ttttccccta acaataagaa aacgcacgtg ctggcatgt 419

<210> 23074
<211> 440
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B6

<400> 23074

cccacgcgtc cgcaacgctt ctctgctgg ttactcgcg cgccttctct ttctctcccg 60
gacgtcgatc gtgtttcttca gcacgggcta gctagctccc tccctcccag ccatggcgac 120
gccgttgcac ctccatttcg ttctggaatt ggggcgttgc acacccatgc cgtcgcgttg 180
ccttgggttg taggacaaca aggggcacgg gcatccgctg cccaagtttg gggagtggga 240
cgtgaagaat cgggccacgt ccgagggtt caccgtcata ttccagaagg cccgcgacga 300
caagaagacc accacgggcc ctggggctgg gaacgcgcgc gcaggcattc cggcggcctt 360
caggaacggc ggccggcgacg gcgggtacag gcccgacttc ggcgacggca accagtacac 420
gctcgccaaa cggaagaagt 440

<210> 23075

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A12

<400> 23075

gttttagtta atattttatg ttattcgcat gtcatgatca ggaatgtgaa attcagttgt 60
aatataaaca tttttactcc agtattcttt gtatgatagt ctaacggttt ctcatatgca 120
gagactcttg tacattcaac attggatcag tgcgacagtg ctgattatac cctagaagtt 180
ctcttcaata tgaaaaatca cacagtgcac gtgaagaaaa ggccttacct gaaagtgttt 240
cttgagaagg ttgctcagat gtttgagctc gtcattctca cagctagtca gagaatctat 300
gctgagcatc ttatagataa acttgatcct gatggaaaat atatctcacg gcgtatttat 360
cgtgaatctt gtatattctc tgacgggttg tatacaaagg atctgacaat cttggggatc 420
gacttggcga aagttgcaat agttgacaat actc 454

<210> 23076

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G5

<400> 23076

cccgtagccct gtacctctc gtcgcggctg tcgcggcgct cttagccacg cctgcgggcg 60
tggacgcggc cacgctggcg gagatctgca ggggaaccgc gttccccgac atctgcacca 120
gcacggtggt gagegaggcg cacagcgccg aggtgttgga cgccatggct gtatcgaca 180
tgcacgtgca catgttcaac tcgcacatcg acgctgtgac gccccccatt ttggctgccg 240
cgagctcctt gcacgggcg cgcgagggtg tcgtcatgat tgactatctg gacactgacc 300
gcgacgggtt tttggacc 318

<210> 23077

<211> 98

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G6

<400> 23077

cccactcgtc ctaaaaaaaa aaaaaattaa ataaaaaaaa aaaaaaaaaa aaaaaaagga 60
aagaataaat aaaaaataaa aaaattaaaa aaaaataa 98

<210> 23078

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G7

<400> 23078

cgcgacgcgc gcccgcgag cgattgccgg cgatggcgag cctcacctg ccgcccgcga 60
tggcgaacc acggcaggac gccatcgacc tccaaaaggc cttcaaaggg tttggctgtg 120
acagtacaac agtgataaac atacttactc atcgcgattc agtgcagcgt ggactcattc 180
aacaggaata cagggctatg tatcatgagg aactctccca tcgcatttca tetgaactca 240
atggaaacca caagaaagct atgttgctgt ggattcttga tcctgctgga cgtgatgcaa 300
ctgttttgag agaagctcta 320

<210> 23079

<211> 328
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-G8

 <400> 23079

 cccacgcgtc cgcccacgcg tccgcccacg cgtccgcttg cagatgtctt actcaagggg 60
 ctcaaggtaa gcaactattta ttttataacc ttgaatgacc tacttttaaa accttcttgt 120
 ttcaatttgt cttcaagtga tcttgctcgg tgttctgata gtttttttac aagtgaagg 180
 tatggatctc gctcacctta ctcgagaagc acaagggtacc gaagtcgctc taggagtgtc 240
 gactctagtg atgctgaaaa ccctgggaac aacctgtatg tgactggttt gtcggctcgt 300
 gtaacggatc gagatctgga gaagcact 328

<210> 23080
 <211> 424
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-G9

 <400> 23080

 aaggcgaccc tccctccttc gtccttccg cgccgcctcc cggccgctgc cgccatggtg 60
 aagtactcgc aggagccggg caaccctacc aagtcggcta aggccatggg cagggatctg 120
 aggggccact tcaagaacac aaggagaca gcctttgcgc ttcgcaagtt gtctttgacc 180
 aaggctaagc gataccttga ggatgttatt gtcacaagc aggcaattcc cttccggaga 240
 tactgtgggg gtgttggtcg caccgcgcaa gctaagtcgc gccactcaa tgggcagggc 300
 cgctggcccc ttaaatcagc caggttcacc ctggatttgc tgaagaatgc tgagagtaac 360
 gctgatgtga aaggcttggg tgtggacaac ctctatgttt cacacatcca ggtgaatcaa 420
 gccc 424

<210> 23081
 <211> 320
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-H1

<400> 23081

gcagtgagga gtgccgcggc gagcagatgc ggctcgacgc cgtccgcgcc aggcaggccg 60

ccaggtccgc cggacggagg cagcagcagc agcagtactc ctctagaacg gaatccaggc 120

accaggagac catgaaggta tccgtggcga catgatgaac ggccggatcc tgcattggctc 180

tcaagaccac gagatgtcta cacgatattt ctgcgcctga ggaaacgtcg atggagcccg 240

caggacatat aggacttcga tttctccgtc actgttgtct cctgcctgag cactgcgccc 300

atgggcgccc cgatgctatc 320

<210> 23082

<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-H10

<400> 23082

cggacgcgtg ggttcaacga catcatcctt ccacctatca tggccaacaa atacgcatgt 60

ccgcctcctc ctctattcca aggatattaa gctctatgga gagatggtcg accaagaatg 120

aattgaacaa caatatataa ggctcgcatgc gcaaccaaac agctacatgt acattgcagg 180

cgtgtgtgaa attgcacact aacgaacgaa ctcttgctcc gatcacgagc tagctgaagt 240

cgacgatggc ggctgtgctg aacagcaaga agacgccgca ngcggtggtg gccgtgctgg 300

tggcggcggc gctgctggct tcgtccgctt cggcggcgat cacctgcggg caagtggggg 360

cgtcgctggc gccgtgcatc ccgtacgca cggngagggc cagcgcgctc cccgcgtcgt 420

gctgc 425

<210> 23083

<211> 441

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-H11

<400> 23083

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtggggg cccgcacggc 60

acggtgatga agacgatcca cacggagaag ggcagctgcc tcgccaccga cagccacatc 120
acgtgcaagg acggcaaggt ctcccaggac atcctgctca ggctcagga caccgagacc 180
ggcgatctcg tcttgccct gacctgggtc aacatccccg gcgtcgcgcg gtgaatcatc 240
ccctcgatcg gcggggacgg ggccaggga tgaggcggcg gcgacccgac tctgcccag 300
ctgattatac atccgtttac ctggtattgg cataaggaga cccttgatg cgtgtaatgt 360
ttgtttgcag ttctgataag gtgtgcaaga aagctcatgc tactgggagc aatgcttgta 420
tctcagttnt gcttctgcgg g 441

<210> 23084

<211> 380

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H12

<400> 23084

tccatgcacc catggactcc gtcaccgcac cacattcggc cagcaccaac gaaaatgtgg 60
cgcgccacag ctgcagacct cttctacatc atcgccgtcg ctgccctcag agcggccgat 120
gcaccggcag agtcaccgaa ggcaggctgt cctgccaaagg cacctgccga gtaaccgaag 180
gcacgcagcc ctgcaggctc tgacaaggca cccgagtctg ctgccacgag aactgcccc 240
gctaaggcac ctcaaggcac ctgcacaccc gacgatgcac gctgacccat cgctcgtcgac 300
gtctaggaag tctggtccag ctgccgcgac gaccaccggc gtctctacac cgatcatatta 360
cacggacgaa gagatgagcc 380

<210> 23085

<211> 328

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H2

<400> 23085

cacaaaggag gggacacaca cacacacaca caccgtctcc gcccgcccg cgcgacgcgc 60
catggctatg gctcgtccg tcgcgacct cttctttccc atcctcctta tctccaccgc 120
gcccgccgtg cgggccatca ccgacgccg cgcgggcccc ggatacctcc aggaggcgtg 180

caacaagacg ctgttcccca aggtgtgcat gcacgcgctc aaggacaacc cagagtgccca 240
ggcggagacg gcggtcaccc cgcgcgggct ggccgagctg ctcggtgtacg tgtcggccga 300
ggtgggcatg accgtggccg cgttcgcc 328

<210> 23086
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H4

<400> 23086

caaaggaggg gacacacaca cacacacaca ccgtctccgc ccgcccgcgc cgacgcgccca 60
tggctatggc tcgctccgtc gcgcacctct tctttcccat cctccttata tccaccgcgc 120
ccgccgtgcg ggccatcacc gacgccgcgc gcggccccgg atacctccag gaggcgtgca 180
acaagacgct gttccccaag gtgtgcatgc acgcgctcaa ggacaacca gagtgccagg 240
cggagacggc ggtcaccccg cgcgggctgg ccgagctgct cgtgtacgtg tcggccgagg 300
tgggcatgac cgtggccgcg ttcg 324

<210> 23087
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H7

<400> 23087

cccacgcgtc cgacctcgtc ttcttcctgg agagaaaaag cagaagacaa taaaagatg 60
tgcaagatgg cggaggagaa ggcggcgga gtggggcgac tcggaggagc cggggcggcg 120
gacgcggcgc agcagcagca gctggcagca ggggaggccg cggcggcgcg ggtgcggccc 180
gtggagacgc tgcttcgcgc ggcaccgctg gggctctgcg tggccgccat gaccgtcatg 240
ctccgtaacc agcagagcaa cgagtacggc gccgtgcct actccgacct gggaggcttc 300
aagtacctcg tctacgcaa cg 322

<210> 23088
<211> 324
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H8

<400> 23088

caaaggaggg gacacacaca cacacacaca ccgtctccgc ccgcccgccg cgacgcgcca 60

tggctatggc tcgctccgtc ggcacacctt tctttcccat cctccttata tccaccgcgc 120

ccgccgtgcy ggccatcacc gacgccgcgc gcggccccgg atacctccag gaggcgtgca 180

acaagacgct gttccccaaag gtgtgcatgc acgcgtcaa ggacaacca gagtgccagg 240

cggagacggc ggtcaccccc cgccggctgg ccgagctgct cgtgtacgtg tcggccgagg 300

tgggcatgac cgtggccgcg ttcg 324

<210> 23089

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H9

<400> 23089

cggacgcgtg ggccggacgc tggggtttgg gaaggagagg gtgtcatcaa gtatgggaga 60

aaactaattg gtgccacaga cccacagaaa tctgaaccag gaaccatcag gggatgatctt 120

gccattgttg ttggaagaaa catcattcat ggaagtgatg gccagagac agcgaaggat 180

gagatcgctt tatggtttga acccaaggag ctggtctctt acaccagcaa tgcggagaag 240

tggatctatg gggatgaatta acgagagagt caatctgttt ttttctcttc tttgatctc 300

ggttttcaca taattgccga cagacctagg cacaaggatg taataaagtc gctaccgtca 360

cttctgagtt ggattgtgac cttcaggtgt agtaaggcac aaggaaggat ggaaggaaa 420

ggaatatacc gtgaaa 436

<210> 23090

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A1

<400> 23090

aaaaggcact gaagaagcca gtcaatagcg agttctacta ctagtagcta gcctgctgat 60
 ctgttctgtt gtttagttcg caaagccttc tgtttcggcg accatggagg atgagaggaa 120
 caccagcag caccagggcg gtgaggccca gcaggacgcc gccgatcagg tggacgtgaa 180
 ggataggggg ctcttgga gccttctcgg caggaagaag cacgacgacg accaggagaa 240
 gaagaagcag acggatgagc tggcgaccgg catggagaag gtcacggtgt ccgagcccga 300
 gaagcacggg cacaaggagg aagagcacga ggtcgtcggc gagaagaagg aaggccttct 360
 cgccaagctg caccgcacca gttccagctt cagctcgtcg agcgacgagg aagaggaggc 420
 gatcgatgag aacggcgaga ttatcaagag gagaagaaga agatgggc 468

<210> 23091

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A10

<400> 23091

gtcgcgccgc cgcctcaccg gcacgtcttt cggctaccgc gacggccgcg tgcgctgtc 60
 gctgcagcag aacgcgcggt gccagcccac gctggtggtc gagctggcg tcccgcacga 120
 cgcgctgtc cgcgagctcg gcgcccacgc gggcgcgcg atcgtgctgg aggtcgagaa 180
 gcgcgccgag cagggcaccg ccgacggcaa cgaggccatc gccaccaccg accacgacgg 240
 gtgggtgctg gaggagctca tgtggaccat gttctgcaac ggcaagaggg tgggctacgc 300
 ggtgcggcgg gacccaccg aggaggacat cgcctgctg gagacgctgt gggccgtctc 360
 catgggcggc ggcgtgctcc ccggcaggtc ggacatggac ggccccgacg gcgagatggc 420
 gtacatgcgc gggagcttcg agcacaccgt c 451

<210> 23092

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A11

<400> 23092

acgaggcgca ccggtgctgg gaggacatct tcgacgccat cagcggcgct aagcacctga 60

tgtacatcac ggggttggtcg gtgtacacgg agatcacgct actcaaggac ggcgcccgcc 120
 caccagggcc cggcagcggc gtcacgctcg gcgagctgct caagaagaaa gccggcgagg 180
 gcgtacgtgt gctcatgctc gtctgggacg accgcacctg cgtcggggcg ctcaagaagg 240
 acgggctcat ggccacccac gacgaggaga cgatgaacta cttcgagggc accgacgtac 300
 actgcgtgct atgcccgcga aaccccgacg acttcgggag catcgtgcat gacctgcaga 360
 tctccaccat gttcacgcac caccagaaga tcgtcgtcgt cgaccacgac atgccgggtgc 420
 agcggtcgca tcggcagc 438

<210> 23093
 <211> 327
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G4

<400> 23093

cccacgcgtc cggacgaggc tctggggaac tcttcggaag catcgaagag acaacaggga 60
 aacagcgaca agaatgcagg ctccgggagt gctctcgga gcaacaggag ctggcatcca 120
 tcgtctggta accctagtcg gggcgggccag gggaatcacc aacatgacag ggactctcac 180
 agcggtgatt cgcggcgggg tagctcgaac tacccccgga ggtccgacaa tcgtcatgac 240
 catggcagtg gtggttcgtc acgaccctcg tcaagagggc agtcccagag ggggctatgt 300
 aaacactacg agagtggcca ctgcggg 327

<210> 23094
 <211> 285
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E3

<400> 23094

attaactaat gcatgagcta gcatggctgg gaatgtcaga accatgtgga gttcaatgcg 60
 atcacatgtt gcgagggctg ccgcacatgg tgtgaggtgg tgagcgccgc atgatgctga 120
 ccatcccact gtccttcata cgctaggatg ccagtcacac tatgagctgg actgtttgtg 180
 agctgtaccg acatgggtatc atatgcctac gtgtgcatgt tatgacacga gatttgccac 240

taggaactac atgacctaga gcctgtgggg ctccaataac gtgtg 285

<210> 23095
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E6

<400> 23095

gggctcgccg cgatggaatt cgagtcagcg gcgcggcggc ggcagcgag actctgttcg 60
ccgtcggtga ggaccacct cacgccggt tttgacgccg tggccggtgg ggagggcggc 120
gtgtctgggt actcttcac gtcgtcttcc agcgggtctcg aactcgggtt cgacgcctct 180
ctcctccgca accgcgctc cggtttcgcc gccccctcgg acctggacag ccgtgtcctc 240
ctctactccc cgcagtcctg gccgccgag atgagggcgg cgtacctggc agcggatgat 300
ggggtcaggg cacctggcgt caacc 325

<210> 23096
<211> 177
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-025-Q1-K1-E7

<400> 23096

cggacgcgtg ggccggacgcg tgggggagaa ctttgtgtac ccgagtgggg tggatcgttt 60
caagaggcaa ttcgttcac tcgaagaaat tgctgctaag ggtgagaaga ctagcccaca 120
attgcgacaa catacttctt taccaagaac aggtcgattt gtacngtttc ttcttgc 177

<210> 23097
<211> 330
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E8

<400> 23097

atcgaccagt acttctgccc gcagaaggta tgccctggca agcggagcaa ctctctgcat 60
gtctccgtca aggacgtcac gttccgcaac atcaccggca cgtcgtccac gcccgaggcc 120

atcagcctgc tctgctcgga gacgcagcca tgcagcggcg tctccctcat cgatgtcaac 180
 gtggagtacg ccggcaagaa caacaaaacc atggccgtct gcagcaacgc caagggcacc 240
 gccaaagggaa gcatcgaggc actggcttgc ctggtctgat gatgaccttc cttttgcatg 300
 catgcatggg atctcactct tgatgatgat 330

<210> 23098
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E9

<400> 23098

ataacatcag agaatgtctc gcaaaggata tgcgtacttt ccataaagaa ccaagaagta 60
 gtacagtcac caggcaacag atcttggaca ttcttacggc cgtcgacata ttctgggctt 120
 gtgttatcta tcaacttcaa tcaactaatt ataatgggtg cacaactggt gtcacgcgca 180
 tcattgaaac gatacaatat gtttagcggg tcctgaaata tacagctggt gtttgcaggc 240
 acgtattaat gccgctggca gtattggtct tcctagtcta taaatactgg aaaacaagga 300
 taacagtaga tgcagtcgag aagttcttgc gaatgcagca gatgctcggt ccaatgagat 360
 atgcatacac aaacatcatt gctatcaccg gccatttcag agacaagctc ggacaagggtg 420
 gttacgggtc tgtatac 437

<210> 23099
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-F10

<400> 23099

cccacgcgtc cgagctaca atggaggatt tctatgatgt aaaactaact gaaattgatg 60
 gacaagctat tagcctgttc ggtgtttttg acggtcatgg tggatcacgt gctgctgagt 120
 atttgagggg gcacttggtt gagaaccttc tcaagcaccg tgatttcttg acggatacaa 180
 agcttgctat aagcgaacaa tatcagaaaa ccgatacaga tttcttggaa tcggaagcaa 240
 gtgctttcag ggatgatggg tcaacagctt caactgcaat tttggtgggt gaccgtctgt 300

atgttgcaaa tgttggtgat tctcgtgctg ttattttcaaa agctggcaaa gctatggcac 360
 ttccagaaga tcacaaacct aacaggattg atgagcgaaa gagaatagaa aatgctggtg 420
 gtattgtcat ttgggctggt a 441

<210> 23100
 <211> 433
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-025-Q1-K1-F11
 <400> 23100

cccacgcgtc cggagctaca atggatgttt tctatgatgt aaaactaact gaaattgggg 60
 gacgggctat tagcctgttc ggtgtttttg acggtcatgg tggatcacgt gctgctgagt 120
 atttgagga gcacttgttt gagaaccttc tcaagcacc tgatttcttg acatgataca 180
 aatcttgcta taaccgaaac atatcataaa accgatacag atttcttgga atcggaagca 240
 agtgctttca gggatgattg ttcaacagct tcaactgcaa ttttggtggg tgaccgtctg 300
 tatgttgcaa atgttggtga ttctcgtgct gttattttcaa aagctggcat agctatggca 360
 ctttcagaag atcacaaacc taacaggatt gatgagcgaa agagaattgt aaatgctgat 420
 ggtattgtca ttt 433

<210> 23101
 <211> 446
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-025-Q1-K1-F12
 <400> 23101

cgctccctac cacttcgact tgagcggcaa ggccttcggc tccctggcaa agccccgggt 60
 caacgacaag cttcgccact gcggcatcat ggacgtcgag ttcagaaggg tgcggtgcaa 120
 gtaccccgct gggcagaaga tcgtgttcca catcgagaag ggctgcaacc ccaactacct 180
 ggccgtgctg gtgaagtttg tggcggaaga tggcgacatc gtgctgatgg aaatccagga 240
 caagttgtcg gctgagtggg agcccatgaa gctctcttgg ggcgccatct ggaggatgga 300
 cactgccaag gcgctcaagg gccctttctc tatccgctc accagcgagt ccggcaagaa 360

ggtcacgcgt aaagacatca tcccggcgaa ctggagaccc gatgccgtct acacttccaa 420
cgtccaattc tactagactt tgaatt 446

<210> 23102
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-F2

<400> 23102

ctcatatgtc ctttctgagt caagcttggt tatctatcct ctgaagattg tcatcaagac 60
ctgtggcact accaagctcc tgctcaccat tccaagaatc cttgagcttg ctgaagagct 120
gtctatgcc a cttgctgctg tgaagtactc ccgtgggacg ttcattcttc ctggcgacaca 180
gccagcccc cacaggagct tctctgagga agttgctgca cttaaccgct actttggcgg 240
cctgaaatct ggtggtaatg cttatgtgat tggagatcca gcaagacctg gacagaagtg 300
gcacgtcttc tacgccactg ag 322

<210> 23103
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-F4

<400> 23103

cccacgcgtc cgccacgcg tccggcctcc tgagggcgct ggtgctgcgt gcggcgctcgt 60
ctgcgggcag gcgccggggg cccaggattc tgtgtggccg cgcgacggat gtgcgcgtga 120
cgccacggca cggacacggc tggcgcgggg tccgggcggg caccggaagg atgatgctgg 180
actcctctga gtctgcctct tccgccgccg ccgccgccgc ggaggcggga gctggggcgg 240
tggcaggcca ggcgcagccg cagcgccgcg cgggtggggg cgtgccccag gcgcacgatg 300
gtggctacgc cagcggcgga tgggaa 326

<210> 23104
<211> 329
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-F6

<400> 23104

cccacgcgtc cggtcgtgtg tgtgcaagtg gtttgacgag gttgccaagc aggtgctgtg 60
gaaggagttc tgtcatgcaa gggctccaaa gatgatgctg gatttgcatt caggtggcag 120
ccacattgtt gatgggaact ggaaggcatt ggggaagctg ctcatctatt gcaatggctg 180
cacaaaaggg gggctgttta ataacattca cgttccaggc catTTTgtgt tcaggacacg 240
cttttctagg actgcgggca ggagtttctt gcctctgccg tgtaagtctg atgtcctgta 300
tgtgtcagat ccatgcgagc atcttgatc 329

<210> 23105

<211> 317

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G1

<400> 23105

atcgcaactc cctccagcct ccaggcttgg caagcgtgct tcacatgacc acatccatgt 60
cgaacagcgc cgctagcgag aagcaatcgc agcaggcagg ccacaggcag cggtcccccg 120
cggcgtcggc cgcggacgcg gagatgcaga ggggtgttctg ccgcatcgac gcggaaggcg 180
acggccggat ctccgctcg gagctggccg cggtgacgcg cgccatctcc ccgccagcga 240
gtcctcgcga cgggagccgc gaggtggccg ccatgatgga cgagctggac acggaccgcg 300
acggcttcgt ggacctc 317

<210> 23106

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G10

<400> 23106

cccacgcgtc cgcccacgcg tccgtgattg agcaattgta taagtagttc atgttatcga 60
aatgaaaaca ataaaggatc atcatcacgg ttcttgcaag ttgggttgca gggatacggg 120
caatcaatct gccgagggac ctccctatcg tagtaccagt cccccaccgt cttgccagaa 180

ccgtgatgat gattgagcaa ttgtataagt agttcatgtt atcgaaatga aaacaataaa 240
 ggatcacaac gcgcgcccgt agttgtagat gatgaattat aaacacatat gactgagctc 300
 aaagttgttt aatcatcatt tgttgcgaaa tgaggaagac aattggtgtc ttgaagctgt 360
 gttttcgact gtgtctaaag cgtaaatgta acgtatattg tgtcttcgcc tatgcttaag 420
 acattggact agttgattgg tcaattt 447

<210> 23107
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G11

<400> 23107

cccacgcgtc cgccagaaag caaacgcaaa caagaagcaa accagcaatg gcccgcgccct 60
 gcgtcttcct cgctcgtgtc ctcttagccg ccgtcgccat ggcgccgttc gcgggcgcg 120
 cgcgcatcga cgctcgtcag ggcaggtcca tggcgtccgc ggacgcaccg gagggcgccg 180
 ccgacgtccc cgctcctgtt cctggccccg actctctctc gaccccgctg ccggcaccct 240
 ccagcagcag ctcttcgcag tagccgcccc gcagagatat ctacggcgctc cgatcagtct 300
 ttggcgccac ctataacctt tcggatcctg caaagctata tatgattcta tgggtataatg 360
 tgtggttgcg gcaaacgcgc ggaaataatg tgcttgctgt attgtttttc tctctctttt 420
 tttggttaat aatgtaaaac 440

<210> 23108
 <211> 442
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G12

<400> 23108

ccaaactttc actcgaagga aactctagcg aacaaggagt tagctccttt cttaccagat 60
 tcatctcgca tggctgctct cgattttatc gtatgtgata ggagcgatgt ctttgtgaca 120
 aacaacaatg gcaacatggc cagaatgttg gctggtcgaa ggagatattt tgggcacagg 180
 aggaccataa gacccaacac taagaaactt tactcattat ttctgaatcg gaccagcatg 240

agttgggaca catttgcac taaagtcag acctttcaaa agggattcat gggggagccc 300
aatgagatta aactaggaag aggcgaattc catgagcatc ctgtagattg catttgtgca 360
aaatcgaagg gaaaaagcgt acagagcagg cctcacctag ttaaaggcgc ctgagaagct 420
gtggagaacc attctattga tg 442

<210> 23109
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G2

<400> 23109

caccctcgtc tcaccctccc tccctcacac aaataataag gaaaggctcc gcccttttcc 60
tccgacatcc acaagggggg aggggaaaac acgtacattc acccggcggc aataatggcc 120
tcggttccgg ctccggcgac gacgaccgcc gccgtcatcc tatgcctatg cgtcgctctc 180
tcctgtgccg cggtgacga cccgaacctc cccgactacg tcatccaggg ccgctgttac 240
tgcgacacct gccgcgccg gttcgtgacc aacgtcaccc agtacatgc gggcgccaag 300
gtgaggctgg agtgcaagca cttc 324

<210> 23110
<211> 319
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G3

<400> 23110

cggacgcgtg ggctagttct agatcgcgag cggcaagatc aaagaggggtg tcgtcatggc 60
gataatgcat ccaggcattg ctgcaggctc cgcaaccctt gcagggatta tccttttcaa 120
aaggccaagg agctacctta ttcaacgagt acgacacatg tttggtagca aggaagtaac 180
caccctatgc ccgtttgatt agcacataat tcctgtaact tgatagattc acgctcttca 240
aagttaacca tctttcttga ttcatactct tccaaataaa ttctccattt tgcttatact 300
aggtggctat ctattcacc 319

<210> 23111
 <211> 324
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-E2

 <400> 23111

 caatggcgcg caacctgtct gtcacattgt tcattctgac ggcctatgtc gccgcgacgg 60
 cggcaccgac cgtctgtgcg gtcaaattctc cggcgagcac aacgaccaca aggaaacacg 120
 aagcagccaa agaagagacg gatgcgcctg ccaaggcacc agctgctgca gccaccgagg 180
 ggctgctgctc gggagcgccc atgacatggc cggatggcgg gcctgagttc gtcaagatgg 240
 tcatcaagaa ccccttctttt aaaagcgcac ctccatctgg tagcgaagac ggcctaccca 300
 ttgaccccccac tccagaaggc agca 324

<210> 23112
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-C4

 <400> 23112

 cccacgcgtc cgggttcacag tccccactcc acctccttct acaaatacac ctcagtggca 60
 gtccccacc atatecgctt ccctaccccc cgcatacact accaacgaga cgccggcgcc 120
 atggggggcct tcgcgaagga ggagcaccag ttcctcgccg agctcggcct cgcgcagcgc 180
 aacccgggcy cgttcgcatg cgggtgctgg ggcggctcag gtcccaccgt cacctccacg 240
 agcccgacca acaatcaggt catcgagag gtcgtggagg cgtccgtgca cgactacgag 300
 gagggcatgc gcgcctgctt c 321

<210> 23113
 <211> 318
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-C5

 <400> 23113

 cggacgcgtg ggcggacgcy tgggtttttt ttggaaaata aaaaataatt atatttcgat 60

aaatatatta tttaaatcaaa gtttatagaa accgtagcag tgtatggata actaactacc 120
 attttatgtc tgaccaagtt tgtttaaatg aatcagacac gaccaaattgg gagagtgaga 180
 agggacatct acatctgttt aacacaaaag ttggcactca tcagcctatg cgaattacag 240
 gtgcttcgaa gacagtgtta ttagtggcgc agcttgcatt tgtatccatc gtttcatccc 300
 ccagctcaac attttcag 318

<210> 23114
 <211> 325
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C6

<400> 23114

gttcaaggag gtgaccaagc gggagtacac gcagtacagc gagtacaaga actgggtgtg 60
 gaagtcgcag gacgacctgt tctcaacgg cgccttcttc aaccagtcgc gggccagaa 120
 cgagcgcaag tacgacaggc tcgacctcat ccaggccaag ggcggccagt acgccgagtc 180
 gctcaccagg tacgccggcg cgctcaactg ccgcgtcggc aggaagtgtc agtgcgtgtg 240
 cagctctagg ctgcagcttt catcattggc gatcgatcgt aacaatgcaa ggttgtgttg 300
 tatataactc ttgtgtttgg aatgc 325

<210> 23115
 <211> 327
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C8

<400> 23115

atcacgaaa gatggcgtgc aaaaacaatg cgatgagagc cttgttcctc ctggtcgtct 60
 tctgcatcgt gcatggtgag aaggaagagt caaagggcat cgatgcgaaa ggcgtccggc 120
 ctggtgggtc cttcgacatc accaagttgg gcgcctccgg caatggcaag acagacagca 180
 cgaaggctgt gcaggaggca tgggcatcgg catgcggcgg cactgggaag cagacaatcc 240
 tcatacccaa gggtgacttc cttgtcggac aactcaactt cacaggccct tgcaagggcg 300
 acgtgacat ccaggtggat ggcaatc 327

<210> 23116
 <211> 444
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-025-Q1-K1-C9

<400> 23116

```

cccacgcgtc cggacgagtt cgacaagcag ggcttcaacg tcgaggagat ggtcgcgatg   60
ctgggcgggc gccacagcat cggcgtctgc aggtgcttct tcatcgagac cgacgcggcg  120
cccatcgacc ccaagtacaa gaagacgata agcgacgcgt gcgacggcaa ggactcgggc  180
tccgtcccca tggactccac ctgcccacac gacctggacg ggagctactt cggcctggtg  240
ctggagaaga agatgccgct caccatcgac cgctgatgg ggatggacaa gaagacggag  300
cccatagtga aggccatgtc cgacaagacc accgacttcg tcccgtcttt cgccaaggcc  360
atggagaagc tcagcgtgct caaggtgctc acgngaaagg aaagcgagat caggaagacg  420
tgctccgagt tcaacaaccc gcag                                     444
  
```

<210> 23117
 <211> 316
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D1

<400> 23117

```

cggacgcgtg ggcctcgacc tcaagaaagg cggcaacggg cgctacctca agacggcggc   60
ctacgggcac tttgggaggg acgaccccga cttcacctgg gaggtggtga agccccctcaa  120
ggcggagaag ccgtcttctg catgaggcgc ctctctgtt tcggaagaag cttttggtct  180
ggtctgcctg cgctctatca tgctttttta tggctcctac gtgttgatgat tcttgatctg  240
ccccttgctt atcatttgta ttgtactgtc actgtcctaa taagtggtag gtgtgcgggg  300
tcgtattgtg tctgct                                     316
  
```

<210> 23118
 <211> 390
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D10

<400> 23118

ccctgcccac cagcacaacc accaccaccg ccgcctggcc gtaacgtcac acgctcgcgt 60

ccttccatgg cgcccaggaa cgctgtcccc gccgccagcg ccgtggccaa cggcatggtg 120

atggagccga ggttccgcgg cgctccggaag cgcccgctggg gcaggttcgc ggccgagatc 180

cgggacccgg ccaggaaggc gcgcgtgtgg ctcggcacct tcgacaccgc cgaggccgcg 240

gcgcgcgcct acgacgccgc cgcgctccac ttccgcgggc ccaaggccaa gaccaacttc 300

cccgtcgcgt tcgcccgcgt tccgccgccg ccgccaaga agccggccgc cgtgaccgtg 360

agccccagca gcagcagcac cgtggagtcc 390

<210> 23119

<211> 352

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-D11

<400> 23119

gccagaaatt gtcaagaaga catactgttt gaagatcagg caagagctga tgcacgcggc 60

tccagctgtg acgagtcgag tgggtgtagca agccttaaaa ttcagatttc tctgttgaat 120

ataagactga gggcacttga agaggatcag gagttcctca atcaggtatt gagttcgctc 180

caatgtggta gtgatgggct gcagtgtata caggagataa gcaggcactt agcagagttg 240

cgaagagttg tggctcacta aaatgaaaat ggttttgccc cgagttcaca ctttttggcc 300

gtcatgaggn tctnctttgt nacggcaaac ctatttgcag cctgctatct ag 352

<210> 23120

<211> 323

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D2

<400> 23120

cccacgcgtc cgggggttgca aagcgtgccc catggctcag ttggagctgt tgcaggtcgt 60

cgtgctatag ctcagggaaa ccctgatgaa gttgctgcag cattgtgtag atattcagca 120
ccagaagagg ttgatacttt accatcaaca tgtggagcct gtggaacaga atgcgtcaca 180
cgtttctttg ctacaaaaat cccatatttc cgggaggtga ttgttatggc aacaacatgt 240
gacatgtgtg gttatcgcaa ttcagagctg aagcctggcg gtgaaattcc agctaaggga 300
aagaaaatta cactgcgtgt tca 323

<210> 23121
<211> 316
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D3

<400> 23121

tgtaaattggg ggagcaagtg ccactttgct catggagaga gggagcttgg aaagccgctg 60
cagatggaca acccgatggg acctcctcca atggggccag ggcccaacgg gcacttcattg 120
ccaccgcaa tgcctttccc agacatggtt cctccctcca cattcggtgc ttccgccaca 180
gccaaagatca gcgtcgatgc atcccttgct ggtgccatca ttgggaaggg tggtagcaac 240
acaaagcata tatcccgagt gactggggcc aagttagcca tccgggacaa cgaggctgat 300
cccaaccata aaaaca 316

<210> 23122
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D4

<400> 23122

cccacgcgtc cgcccacgag tccgcccacg cgtccgccag ataccaaggc acggaggtcc 60
atgaccatag cagcaatgac atggctgtgg tgatggggct ccggcgagca attccatta 120
cccagccaca tctcccggtg aattgagagt tgttgaacta caacatgcgc tcaaaaacct 180
cttagccctt tcccctgagc ccgaacaacg ccgagggcgt gatacattgg cggcgacaac 240
ctctctttct ctactacct ctgacctatc tgcattgcac aagcgggatg ctcatgggtt 300
tcattcaggtg accatgggtt gagg 324

<210> 23123
<211> 327
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D6

<400> 23123

gtgttggggg gttccatggg gagecaccgc tgtcgccgtt cctcgccctct gtcgacggcc 60
ggaatccatg gaattgatgc ggagcttcga ctggacacgg ggaagctatc ccgaccgcca 120
atgtgatgaa cggccagtcg gaactcgggc aatggctcac cggaggagtg gcgtccgtcg 180
cgggccgcgt tccatcgtgg gcgttcgtct ccgtgccga atccgtggtc aagaacatgt 240
accacatgat gagacgcatt gaagatgttg cgatgtgttc gtgagaggtc taggccgtcg 300
tctcccagtc aacttcgggt tgctgga 327

<210> 23124
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D7

<400> 23124

atcctcgtct tctccaattc caaagtaaga aagccacacg cgaggccgac cgaggaagtc 60
caatctcatg gcgctctcct gcatgaggtg ccccgcgggc gccggcgccg cctccgccc 120
acgcgccgca gcgcagccgt tggccgcgga ggctgcggtc tccttcgcca gatgccgcgg 180
cttcgggagg tccgccaccg ctgcgacttc cgcttggttt tggcgcaacc atgccgttgc 240
ctcacaggga gtgaaagctc ccatggatgc tgatgtcaag aatgctgtca tacctcctac 300
ctcaccaaag gtggaaa 317

<210> 23125
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D8

<400> 23125

ggcaaaaatg gcaaaggctc tcctaggtgg cctatcggcg atcctcgtcg tggcggtggt 60
 cgtcggtgtg gtcgccaccg tcacccgctc eggcaagaag gccggcgaca acttcacggt 120
 cccgggggag gtttcccttg ccacgtccgg caagtcggtc aagtcctgtg gcgcgcccac 180
 cctatacaag gagtcgtgcg agaagacact gtcccaggcc accaatggca ccgagaaccc 240
 caaggaggtg ttccacagcg tggccaaggt ggcgctggag tcggtccaga cggcggtcga 300
 gcagtccaag tcgatcggcg aggcca 326

<210> 23126
 <211> 330
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D9

<400> 23126

aatagaagca taatgatcat tactcttaat ggtcaagaca cactactgac tcttcaaggt 60
 tccgggctcg aaacgagggg gcaagtcgca attgacgatc aaatcttaga tgttacacgt 120
 gactttgacc tttcacatgt taaaaattaa gaagtcgaca cgctacactc tgaaatgtta 180
 tatattatgg acctaggacc taaaatcttc aatatgtgat atatcatgca atatgcggtc 240
 tacatagatc attgatcctt taatgcatca cacatgacaa tatgatctaa gatcttatac 300
 cagattctac tgattactca tacttgatag 330

<210> 23127
 <211> 316
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E1

<400> 23127

gttctgtctt cagtgggtgca aacaaaattg gtgatggtgg ttttggttct gtcttcagtg 60
 acgcaaataa cgactttgtg ctactatgct gaggaacaag ctttgtgact tattttggat 120
 ttgagcagca cggtcataac attgctgatg ccaagaaaga tgatcctcta tgttcactac 180
 atcttgcact atgtcctgcg tgttaccggc caaacaaaac accttggagt gcagcgacga 240
 caggaactac ctctacagga accggtttta cgagtaattt gacgacgcgt ggggtggagca 300

gacctggtgg gaagta

316

<210> 23128
<211> 343
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-025-Q1-K1-E12

<400> 23128

cccacgcgtc cgcggacgcg tgggcgaacg atcagtctga gatgcatgca cgacgatcga 60
tctacagcta gcgttgcaatt gcatgacgat atggacctac actcgcgggc aaagcccatg 120
gacaccgncg tcgccgtcgc ggtggcttgt cggcgccgcc gcctttcttcg gccgggtggg 180
caaccccgcc ttaacaacaa gcccaatggg gtccaagcca aggccaacat tctttttgaa 240
gaagtcgggt ttaccaaccg gcggaaaggc ccgggcttca ttagccgggc cacgtggcaa 300
cttcgggccg ggtcaacgct tttccagcgt ggattccagc cta 343

<210> 23129
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C3

<400> 23129

ccgcctccgt gtccgtgccc tacagctggg catgagcgcc cgcccaacca tggcggcggc 60
ggcgcccgtg cgcgcctggg tgggtggcgt gccgctggtg ctggcgtgcg cgtgctcca 120
gcccgggccg tccgacgccg cggcgagcc cgccccgag tcgccggcga cggcggtgtc 180
gtcgggccc gccaaagcca agtgctggc cggcgccagg aacgaccacg cgtgccgcgt 240
cggcgccgtg cacgaccgg acagccagga ggaggagggc tccagcgtca ccatcgacgc 300
gcccggcgtc gcgcccg 317

<210> 23130
<211> 320
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A4

<400> 23130

gggtatttga ctgcaacacg gcaaattctcc tagagaccca aacatgccac ctacatgggg 60
ttacaacgat ggaggcgaca tgttctgggtg gacacgagct tattctcaca tccagcctaa 120
atgagggttaa gatctgggat gccttctcgg tatctgcagg gcctttgcac acatttgagg 180
cctgcaaagc tgctaggttt aaccactctg gaacttcatt tgctgccctt tctactgata 240
cagctcaacg ggagggttcag ttgtatgatg tgcagacata tactcttgct acacagcttc 300
ctgataacac tagcagttca 320

<210> 23131

<211> 324

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A5

<400> 23131

cccacgcgtc cgcccacgcg tccgcggacg cgtgggggaa aagaagctcg tcttttacac 60
aaaagtaaaa gatgcaatta cttccttaaa cgctaagaag actatcaata agaaaaatac 120
acggagtcgg cgtcagaaga aactgaaagc atatgacctc tcagcactgt ccgagtcctt 180
cccagaacca ggtgcaccaa agcagaagcc tgaagcaaag ttgaactgca agtcaagaca 240
gtcattagta ttacgggagg ctgctcatct caaggttgtg ctgggaaaga tgcagttcca 300
gcttgacca tttgtgcga tcca 324

<210> 23132

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A6

<400> 23132

aaaagccgaa caagtacaac tatccaattg ggaagaggcg catgcagcca gtgggaataa 60
tagttttcgc atcagtgatg ggcacacttg gcttccaagt gctgatcgaa tcagggcgcc 120
agctcataac tcaggagcac gcggatttca agttcaagca agagctctgg atggtcatta 180

gcatgtcctc tgttgcggtc gtgaagttct tcctcatgct ctactgccga acgttcaaga 240
atgagatcgt gagggcctac gccaggacc atttcttcga cgtaatcaca aactctgtcg 300
gcctggcttc ggcgtgctc gctgt 325

<210> 23133
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A9

<400> 23133

cccacgcgtc cggactccga gtcggaaggc cgcgtcgtct attccgacat gaagctggct 60
gatgagacgg gatctgcgcc ggctccggca ccggcgccgg gcccgacgac cagttgaagc 120
gaggaagggtg gccaaaactg agggcccggc tactatcttt tgctataact aaagataggg 180
ccaagtttaa tttctccgat aaattctgtc cgagcaaaaa gtatgatggg gtttttagtc 240
gagatggtaa ataatgtatg acgcgcgtgt ggaccaagag tcatggcttg ctgtacttgt 300
ggtttctgag ctgcaacact caatcgacta ctaaactaag gtaataacta ggtagtgcc 360
cgtgcgttgc aacggaaaca tatattatca tgataat 397

<210> 23134
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B1

<400> 23134

agcgaaccta caagaaatat ggagaaagga gaagtggtag aattcactct gcctttccat 60
tcccccatcc gccatggcgg cgcgcgcgga gctcgttgac gacacgatcg ccgagatctg 120
cctccgcctt ccccgagacg agcccgcgca cctcgtccgc gccgccttg tctccaggcg 180
ctggcgccgc atcctctccg gcggggcctt cctccgcggg taccgcgcgt tccacggggc 240
gccccctctg ctgggcttcg tcgacaacac catcgggctc cacggcgcca cggcccctcg 300
cttctcccc accacct 317

<210> 23135

<211> 118
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-B10

 <400> 23135

 gaattatatt tcaaaagagc tcacctagcg catgtgttac aagacaatat aatatgagca 60
 atggcgttttt ttggcaccag accaccaag aaataagtta tgctacatgt ctcttctg 118

<210> 23136
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-025-Q1-K1-B11

 <400> 23136

 tggggatggt ctcagttttc atgaaagggt ctatggatca cgtggaaagg accagagcgg 60
 aacaagccat gatggattcc gtgccaagaa ccaaattct tcttgcaagg cccttgaaag 120
 tttcaaactg gtgatggcat ccactagggg caatccaatt tttgcatgg tgacgaaacc 180
 aagtagaaga tggcacccta acaagttata ttatttcctt ttcttatact gcttagatcc 240
 aaggatgtga tggctgaac cctaacgggc tctgctatc ttgatttgac gtctgggaga 300
 cgcttgattc cgtgcctgtg ggttgtaagg cgtaaaaact tgactntgtt agtgtactcc 360
 caatgatata acccaatcct gggtaaacia acgcatggng atgaattttg gacgaaacca 420
 tggacaactg atgtgt 436

<210> 23137
 <211> 437
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-B12

 <400> 23137

 gcgaagcatt ggatcgacta cttgagacaa acaacttccc tgaatttact ggacgagtat 60
 gccctgctcc ttgtgagggg tcatgtgttc ttgggattat tgagaatccg gtgtctatca 120
 aaagtataga atgtgcaatc atagacaaag gtttcgaaga gggatggatg attccacgac 180

ctccacttca aagaacaggg aaggtggcca ttgttggcag tggaccagct ggtttggctg 240
 ctgcggatca actaaacaaa atggggcatt ttgtaactgt gttcgaacgt gcagaccgaa 300
 ttggaggttt aatgatgtac ggcgttccaa acatgaagac tgacaagatt ggcattgtcc 360
 agcgccgtgt taacctaatg gcagaagaag gtgtcacatt tgtggtgaat gccaatgttg 420
 gtagtgatcc tctgtac 437

<210> 23138
 <211> 155
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-025-Q1-K1-B2
 <400> 23138

agccaacctc caatacctat atatatttca caagtggatg aacatactct tccgtacgat 60
 tatcttattc atcatcgccc tctattgca tctccttaac aactctatca tctagacatt 120
 cctcagcata ccacctcact accccccaca catcg 155

<210> 23139
 <211> 318
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-025-Q1-K1-B3
 <400> 23139

cccacgcgtc cggctcctcg ggaatccggt gccaggcctc gccttctcgc ggcggtgctc 60
 cctcctctctt cgtccccag cgacgcaggc aggcgcgcgc gcggccatga aggggggcgg 120
 tgccatgagg ccgtcgcta tgttctacgt ccacgaggcg gacgtcgtcc agatccacca 180
 cttctcgcag gagtgcctcc tctgcgcaa atcgtctctcc ggcgacatct tcatgtacag 240
 gggtgacacg ccgttctgca gcgaggagtg caaggagcag cagatcgagg tggacagggc 300
 gaagcaccgg cggaagaa 318

<210> 23140
 <211> 320
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B5

<400> 23140

cccacgcgtc cggatgatat caagtatgat gaggaatatg tattgaatgc acgaggaatg 60
aatctcttca catgccaatg gagacctttg aactctgaac caaaagctct gatcttttcta 120
tgccatggat atgccatgga atgcagtatt tcaatgagag gcacaggtac aaggttggcg 180
caggctggat ttgtagtga tggaatggac tatgaaggcc atggaaaatc ttctggactt 240
caaggatata ttaatagttt cgatgacatt gtggttgatt gctctaagta ctttgcaagt 300
gtctgtgaga aagaagagta 320

<210> 23141

<211> 322

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-B6

<400> 23141

ctgctggacc cgtcggcgga gcacggcgtc actaagttct ccgacctaac gccggcggag 60
ttccgccgaa cctacttggg cttcggcaag tcccggcgcg ctctcctcag agaactcggg 120
gagtcggcgc acgagggcgc cgtgctccca accgatggtc tccccgacga tttcaactgg 180
agggaccacg gcgcgcgtcg ccccgctcaag aaccaggggt cgtgcggggtc gtgctgggtc 240
ttcagcgcgt ctggagcgtt ggaggggtgc cactacctng caactggcaa gctggaggtg 300
ctttcggagc agcagttcgt cg 322

<210> 23142

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B7

<400> 23142

cggacgcgtg ggctctaagt gatggtgaac taaagcctga tgagcaattg gttaacgaca 60
ttattcaaga ggttgacaag gataaggatg gtcgcatcag ttaccagag tttgaattga 120

tgatgaaaag tggatcggac tggaggaacg cctctagacg ttactcaaca gagaatttca 180
gcagcctcag tcaaaaactg tgcaaagata ctttatgaaa caagaaagta gtttccaagc 240
agcaattact gactgaagta ccacaccctc aacctcaact aaacagcatc aaagacaacg 300
caaaagcagg attactggat ct 322

<210> 23143
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B8

<400> 23143

cccacgcgtc cggcaaaacc atcagatcta gcagaactct ctcgacctca tcggcggttg 60
cggagcgcgt gttgaccgga gatggcgccg agcgggtgga ggaggagcgc ggcggcgcgg 120
gtcgcttggc gcccggccac ggtttgcttg tggctcgcgc tcgccgccgc cgcactgacg 180
ctcgcccagg ctaagaagga cctgacggag gttaccaca aggtctactt cgacatcgag 240
atcgacggca agcccgcagg cggattgtc atggggcttt ttgggaagac tgttcctaag 300
acggcagaga acttccgagc tctt 324

<210> 23144
<211> 239
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B9

<400> 23144

atattgaaag agctcatctg atccatgtgc cagcgagcta atatttaatt ttttttctat 60
ggttatttta tggcaccaca ccaccaaga aataagttat gttacatgtc ccttcgtgca 120
ccttgttgtg ttgggttaat acggttatat aaattgaaat acaatatgta tttaatattt 180
ttagagaaaa aaaaaactgc agaatacagc taaaggaaaa ctacaaacta acaaaataa 239

<210> 23145
<211> 312
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C1

<400> 23145

cggacgcgtg ggggagcaca gagctagcta gccagccagc cagcagccag cttgctcgcc 60
gcgcccgtcc ttcttcctcg cctccgttcc gttccgttcc gtcccgcccg ccgcgcgcgc 120
cgcattcagg gatggagatg aagaagatcg cctgcgccgt cctcgtcgcc gcctcggcgg 180
ccaccgtggc gtcgcccgcg gaggtctcgg ctccggggcc caccagcggc tcctccgcgc 240
tcgcgcccgc cgtcggcgcc gccctcgggg ccgccgtcgc ctcttcttc gcctactaca 300
ttcagtgagc cg 312

<210> 23146

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C10

<400> 23146

aaggaccttc ggcgcccgtt caggatccac atcttcccga gcgagttctt ggttgacctc 60
ttctctctcg gaccacctcc aaggctcttg gtgtagcttg ccactctcac caatcaagtt 120
ttcatgtctg atctcgacat tcagatccca actgccttcg atcccttcgc tgaggccaat 180
gctggggact ctggtgcggc agcaggggtca aaggactacg tacacgtgcg catccagcag 240
cgtaatggtc gcaagagcct gaccaccgtc cagggattga agaaggagtt cagctacagc 300
aagatcctca aagatctcaa gaaagagttc tgctgcaatg gtacagtggc ccaggacca 360
gaacttgac aggtcattca gctccaaggt gatcagagga agaacgtctc gaatttcctc 420
gtccaggccg gcattgtgaa a 441

<210> 23147

<211> 298

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A2

<400> 23147

cccacgcgtc cgggcccggc tctgcgttcc tagctcgatc ttgaaccata gggggcgggc 60

atggcgccca gcagcagcat agcagtactg ctgctcctcg tcgtcgccgt cgtcctctcc 120
aacgtccctt cctcgggcgc cctggcctcc tcgtcgctgt ctctgctgca ccagtcgtct 180
cctcctgaga gtgagactga gaccgactgt agcagcggag aatcttcgtc gtcgtcgctg 240
tcggacgagg aggaggccgg cgagaacgat aatgagaagg agcaggagat ggagaagg 298

<210> 23148
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C11

<400> 23148

cccacgcgtc cgcccatcag ccaagagcta cgcaaacgca cagcgatgca caagcacgag 60
ataccagcca ccatgcgcct gtccctcttc ctgctcgctg tggccgcctt ctcggcgcgc 120
accgcggcgc agctgccgct ggccggcgcc ggccggcgcc ccctgaagcc ggacttctat 180
agccagtcgt gcccgcgcgc ggagcggatc attgcggagg tgatgcagac gaagcagatg 240
gcgaaccoga cgacggcgcg gggcctgctc cgcgtcttct tccacgactg cttcgtcagc 300
gggtgcgacg cgtcgggtgt gatcgcttcc acccagttcc agaagtcgga gcacgacgcg 360
gagatcaacc actcccttcc cggggacgcc ttcgacgcgc tgggtgcgcgc caagct 416

<210> 23149
<211> 98
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C12

<400> 23149

atgtgttgaa cccttatgta agacacattc atgcgctctc tcaagagcgg tatgaatgct 60
tctatgctga actgatcact ctcagttacg atattttt 98

<210> 23150
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C2

<400> 23150

agcttaattg cgccactgct cgttatectc ctcttgcaatt gcattgcagg tcgtaggtga 60

gcagcagcaa ccaactgcaca ggatgtcgtg gcagacgtac gtcgatgagc acctcatgtg 120

cgagatcgag ggccaccacc tgagctctgc cgccatagtc ggccacgacg gcgccgtttg 180

ggcccagagc accgcattcc cacagttcaa gccagaggag atgaccaaca tcattaagga 240

cttcgacgag cctgggtttc tggccccgat cggcctcttc cttggcccca ccaagtacat 300

ggtcacccaa ggcgagcccg gc 322

<210> 23151

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G6

<400> 23151

cccacgcgtc cgggagctga agcacgtgca ccaggccatc aagtggggca ccgactacct 60

gctgaaatgc gccgccagga agaacaagct gtgggtgcag gtcggcgatc ccaacctgga 120

ccaccagtgc tgggtgcggc cggagaacat gaaggcgccg cgcaacgtgt acgagatcga 180

ctcgaagacg cccgggacgg agatcgccgt cgagacgtcg gccgcgttcg ccgcctcgtc 240

catggtgttc cgcgacgaca agaagtactc gcgcaagctg ctgaacaagg cgaagctgct 300

gttcacgttc gccaaagagcc acctgggcag ctacgacggc gagggtccct tctactgctc 360

ctactcgggc tacaacgacg agctgctgtg ggccgcgacc tggctgtacc tggcgacgag 420

gcggcaagtg tacgcggac 439

<210> 23152

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G7

<400> 23152

gaattaggca agcgattatt cgcacgttg cttaggtgct ctaacaagcc gcaattggtt 60

agagattgga tcaagttcca ggctttttta aaagtgcctt ccagcttact taattgactc 120

gcatgggctt tctcgctata aacgaactaa acgaagcgcc taaagagaga gatccgcggg 180
acaccagtca ataaagtaaa aagagagtat tctcttatgt agtcttattc cttcccaccc 240
ccttgtgggt gctgctcaag cagctcaaga ggcgccaacc ccacaaccac aggtagaagg 300
agttccaggt gcggcggtcca gatcaggggac tagtggccccg tctgttctcg atgtaaagga 360
aagatgaaaa acttttctca aacagtgggg aaagggcccc atacgtcaaa gccagataaa 420
gaat 424

<210> 23153
<211> 452
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G9

<400> 23153
cccacgcgtc cgtgcacgcg tccgacaacg cttacgtgtt atgcacgatg aggatcaatg 60
cgtcgacatc aacctgggtg gcaggacgaa ctattgctca agattatgaa caaggacaca 120
taacgctatc gcacgacgac agccatcgta ttgcgtaag aagatcaagt gcctcggagc 180
agaccaacca tatgctggcg aacgctctga gcacctgtac atacctcaat gtgagtgaca 240
acgtcgaaaa cttctgacgg acgcagtcac taacgcagat atacatggaa cagctacagt 300
ccctgatgat cattgcgacg acttttccat actactcgtc tcgcaacagc ctgtacaaga 360
tctttgacgt cttgggacgt gttatacaca tcaagatatg cgatttacia gacctaaca 420
ccgtaaggac tttgcaagtc tgacactctt tg 452

<210> 23154
<211> 339
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H1

<400> 23154
tcgcttgtct gaaacaagac cactgcgaga acttttaggc catacaccaa cccaggttgt 60
tgctggcgca ttgcttgggt gtacgatagc cacagcagga caattattcg tttgaactcc 120
gaaggtgcag gagaaatgtt gtagcatttg catcgcgggg acttgagaag aagtttctct 180

agtgttctgc tacttttaggt attggtaaga ttttcaactt ggagctgtag tgttggtgaa 240
 tgttgtaagc tctgatggaa cgtgattata tgtcaagggtg atgttcacag gattgttgta 300
 cagaacattt gttcgataat gtcattggta tgattgatg 339

<210> 23155
 <211> 297
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-H10
 <400> 23155

cccacgcgtc cgcagacatc cttcatcggg atggaagctg ccggcatcca cgagaccatc 60
 gggaactcca tcatgaagtg cgacgtggat attacgaagg atctgtacgg taacatcgtc 120
 ctctccggtg gcaccacat gttccctggg atcgtgaca ggatgagcaa ggagatcact 180
 gccctgggtc ccagcagcat gaagatcaag gtggtcgtc ctccagagag gaagtacagt 240
 gtctggatcg gacgatccat ccatgcatgc ctcagcacct tgcatacagat gtggatc 297

<210> 23156
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-024-Q1-K1-H11
 <400> 23156

gccactctaa cggaacagta tacggaatac cgatttgatg gcccaaaata agcacatcat 60
 ggggtgtggtg gctctccttt ttcttggtg ggcaacatca tcatcagtgt gggttgcaga 120
 aggagccgat gacttaaaag tttcttgctg taaagagtgc acccaaaatt ttaacactcc 180
 cgagggcaag aagatctgtg aaacgatgtg tgccaaccct aaaggaaggc ctatcgacag 240
 agttagagct gattgatcaa tgctcatctt tatttgtagc tagctatcat gcatgcatg 300
 atggccttct tgattattat tatttcattc ctcatgttag ttgttcttgc atgctttttc 360
 caccactaat attgtcctaa ttgatgcata caagttgtca ctcaaagcaa tttctatgct 420
 ntactt 426

<210> 23157
 <211> 259
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-H12

 <400> 23157

 acgtccacgc gtccggagac attcatgaat cagatgtaca aactacggta catacgcata 60
 actcgagctt accctcataa agtgcggcgc tgatcttagt aaggcattat ccaggaacct 120
 tgctctcttc gcagacgcca ccatcatcac tagaaccgct aaccctatga acgaacttaa 180
 cattgatcac agtatcaggt ccatcatgag ccatgaattg gctactcctt atggaagttt 240
 caaatccttg gatcacacc 259

<210> 23158
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-024-Q1-K1-H2

 <400> 23158

 atcagctgct ttcttgtatg tcagccttag atccttccaa ctcttttget tcttttgatg 60
 cacacaaggt acgaaagcta gctgatttat atcctaataa catgtcaagc attgacttgt 120
 taaaacttga cttgcaactt gacaattata ttgatggcat aagagaagat gatagattca 180
 aagacataac taatcttgtg gacctctcag ttaagcttgt tgaaacaaag agacataagg 240
 tgtttgatat ggtttatttg cttctcaa attggtattgct tttgccggtg ggcacagcaa 300
 gtgttgaaag ggcattttct acaatgagtt tggatgaagac taaattgaga aacatgatgt 360
 gtggtagtct tttggatgat tgtctngtta catacatcga gagggattat ttcttcgaag 420
 tgaatgaaga a 431

<210> 23159
 <211> 341
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-H4

<400> 23159

accacgcgtc cgaggagatc ctcaagatcg cgtaggagaa ctctcgacttc agggccggga 60

tgatcagcat caacctggac ctgaagaagg gcggcaacag gttcatcaag accgacgcct 120

acagccactt cggacgtgac gacgccgact tcacctggga ggtggtgaag cccctcaagt 180

tcgacacggc atcggcttaa ggctgggagt gctcactgtg gacatgagga ctaccgttct 240

ctggctctgc tgctacctgc aagcattgct gctgatgcat gtgagcgtct gatcagcgac 300

tggctgctgc tccatagaag atgaacggag agaacgatga t 341

<210> 23160

<211> 244

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H5

<400> 23160

gtcgtgtca tgctcatctt cgagggtcaac taatcctaac aaggaaaaga tggcgacgac 60

ggcgtccatg cttatgaaca ggtacgagct cgggcgcacg ctctgacagt gcaccttctg 120

caaggtgtac ctaggccgga acatctcgtc cagtcagtgc acgtgcatca aggtcattga 180

ctatgagaac gtgatgagcg tcagcatgat cgaccagatc aagcactaga tctccgtcat 240

gcgc 244

<210> 23161

<211> 148

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H6

<400> 23161

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggcy gacgcgtggg 60

ctgtctccat ctccatatat agctagagtg agacttcgct gttgtttaaa agagaagagt 120

taagaaatgg attgacaagt tatataat 148

<210> 23162

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H7

<400> 23162

cctttcaacc tgtgctggaa catctttggc ggacatagtc aatgcatcta cggaagcttc 60

cttatagaaa atgcctatca tcacgggcca tccggtcct gtccatgctg agatcctctc 120

tacatctccc ccaaacgcag acagagagct ccactagaaa gctaaatacg gcatcacaga 180

aatgtgcgca gacctataga actgggctag caagagccct tatggataca cggcatctga 240

ctctccgaac ctcaatgcta gttcacgctg aacaacaccg attgtcccat gtggactcac 300

ttgtacatga gactgtagtg ccagccaacc acgataaatg tagatctagt cggtcgctca 360

tactgagaga agttctatat gcct 384

<210> 23163

<211> 266

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-024-Q1-K1-H8

<400> 23163

cggacgcgtg ggggtgggca atggggcagc aaccctgttt tggtcggata gatggattca 60

gggtcagaga attgctgacc ttgcaccaca agtctttgca acagttccca agatgagaat 120

tagcaaaagg acagtacatg aagctcttac tgatcactct tgggtgatgg atatctaggg 180

agctctaact nttggagtta ttaatgagtt tcttagtctc tgggatttgc tctccgtagt 240

ggtgttacag cctgggattg atgatg 266

<210> 23164

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H9

<400> 23164

ctcacgcgac cgtacatata tcacacaaat tataaggaaa ggattcgacc ttacatctg 60

aggtttacat tgtctgagga aatgatacgt acatctacgc gtcagcaata tcggcctagg 120

tttccgctcc ctcgactaca tccgaagcga tgatgccatt cctaagcctt atgcgctcat 180
 gtgtctcgac tacctatacg aaaatacccg actacttcat gaagcgcagc gtctactgat 240
 aaacatgccg tgcttgatcc ttaccctacg tgactgaaac catatgatgc tccaacacga 300
 gcct 304

<210> 23165
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A11

<400> 23165

actcgcgcgt gcgccaatag catcacgcta cgcatttaca atccatcacc tttcatccgg 60
 aactcgtaca attttaactg gtagctgtat tccaacatct gatgcacagc ctaccgatct 120
 ttcatcaaac gctaccgcaa tottgacgac aacaactaga acccacagaa gtacgtgcag 180
 tacatcccag atacagtcca ccaacttcta ggccagctct tccaatggca acaatgggtcc 240
 taacaaacac tcttaacatc atatagtgat agtgactgca ttattacaga cagatgccac 300
 taacttcaac agtacagatt tottactaat caaccaccag ttactttctat cactacatat 360
 aatatactag tgacataaac ctcatctttg catgcactac ctaattttct tttcccataa 420
 aa 422

<210> 23166
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A12

<400> 23166

gcttaaagga cgcagctttc ctgggaaggt tttgctaacc cggcgatccg agcctctgtc 60
 ccctgggtga ttattctcca agctttgaga gcgagcacga tgaagatgag cgcaaggagg 120
 gttctcgtca ggagggagaa ggtcaagcat ctggaaactc atttgacaat gcaagttcaa 180
 agaaatcaaa tattctgtca acaagtagtt caaatcatt gccagatgct caggggctag 240
 tttctggggc tagagctact gattctgcaa gaattgctaa attcacaacg gaactatcta 300

ggccagctgt tatattagac aaattgcgtg aactatcttg gagtgggtgtg cctccatata 360
 tgcgacctaa tgtatggcgg cttcttttgg gatatgcacc gcctaataaa gatagacgag 420
 aaggtgttct aacaaggaaa a 441

<210> 23167
 <211> 438
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-G5
 <400> 23167

cccacgcgtc cgcccccttc cccgttcgct gtcccgacag gtccctccca ctctggagc 60
 cgggggtctac cctccccgta cgcattcatg tcgacatgtc ccaccgcgtc cggctcgccg 120
 cggcgccgct cgctcgtggc gccgctctgg cgcttgcccc cggcgccgcg gcggcgtggc 180
 agctgacgaa gaacggcacc gtggtcagct acgaccgccg gtcgctcatt atcgacggcc 240
 ggcgaggagat cttctttctc ggggtccatcc actaccgcg gagcccgccg gacatgtggc 300
 cggagctcat cgccaaggcc aaggagggcg gtctcaacac catcgagacc tatatcgtct 360
 ggaacatgca cgagcccgag aagggtcagt tcgacttcga gggggcggtac gacattgtga 420
 gggttcttcaa gctgatcc 438

<210> 23168
 <211> 446
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-F3
 <400> 23168

cgagagcaga accaatactc tgagctaaaa cttatcacat agactcctgc tcgagagacc 60
 ggaggcgta gacgagaccg ccgacgacgc acgagcgctc gatcccgagc gtctataacc 120
 ttaggattca agaagatcca tcattccgacc ggcttcctct acatcgcaga atgaaacggc 180
 cgcattacga cactgctcaa gcagccaact gctgacctg atcaagtgga tcttgatgag 240
 tcgacgtatg accctgaact tgataagttg cagcgtgaga gaattgctgc ccttaagaaa 300
 taggttgaga agcctgaagt gctaagaagg ctatgtcacg gtgaatacag gaaggtaatt 360

gaaggggact tccttggcga gggtactagc aatgaaagag tcatatgtca tacctatcac 420
cgtgaatctt acagttgcat gatcat 446

<210> 23169
<211> 445
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-024-Q1-K1-F4

<400> 23169

ggacgacatc gtggcgtggc tgagccccag ggtctgacgc cgcgggcgcg ttgcggtgct 60
ggccgtanga cgcgagcggc tttttgatca tctgctgagc gcggaggacc tgcaggccga 120
ggacgcctcg cctccggacg gtgggtgatg acgcggtctg gtctggtagg ctgcggaccg 180
agggagagcg ggtgtgcctt ctgccccct tgggtgtctg aactgctgat acgatacgag 240
gagcaggaca ggagtacgga gaactactac tacctacggc tatgggcgat ggctttactc 300
gcgcctnccg gtgtgtcccg agattttttt tcggggacac gtacgaatta tgtaacggag 360
ttcgtttcgc cgtgccacac gcacgagcgg tgtccgatac acctatagaa aacgactttc 420
catattgcga gttgtgtgat gtatt 445

<210> 23170
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F5

<400> 23170

ctcacccctc cttcacgcct ccctcaccaa ataaggtccc gcccttttcc gacattcaca 60
ggggggacag gaaatcagcg gccatggcct cgattccggc gactaccttc gccgtcatct 120
tatccgtcct cttctgtgcc gcggctggca ccgtcgtcga caacgacctg cccgactacg 180
tcatccaggg ccgcgtctac tgcgacacct gccgcgccgg gttcgtgacc aatgtcaccg 240
agtacatcgc gggcgccaag gtgaggctgg agtgcaagca cttcggcacc ggcaagctcg 300
agcgctccat cgacggtgtg accgacgcga acggcacgta cacgatcgag ctcaaggaca 360

gccacgagga ggacatctgc gaggtggtct tgggtgaaag 400

<210> 23171
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F6

<400> 23171

cccacgcgtc cgccaaaatg atttgcatga gctatggtca ttgttggagt tcatgatgcc 60
tgatatatatt gctactgggg atgttgatct gaagaagctg ctgaatgcag aagatcgcca 120
actaatttca cagataaagt ccattttagg gccatttatt cttagacgtt tgaagtcaga 180
tgtaatgcag cagcttggtc ctaaaatcca acatgttaag tttgttgtca tgggcacaga 240
gcagtctgaa gcttacaaaa atgccataaa tgagtaccgt gctgcttgcc aggctcgtag 300
tgccaagtct tcagatggca tttccaataa tgttgctgga ttgattccaa agcgacaaat 360
atcaaactat ttacacagt ttcgtaagat tgccaatcac cctttgctta taaagtgtat 420
ttatggtgac aaagatgttg atcg 444

<210> 23172
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F7

<400> 23172

gtgactcgaa atattcgga ataaatagtt cgtgaatccc tgaagcttgc atatatatac 60
cgctgccaaag ataaaggtaa tggactcgtc acgcagggtc cagccggacg tcatcctgct 120
tctactgcta attgtgtcca ccgatatggc acaggcaagg taatgcgata agtacagtga 180
gctatttggtt ggcgcatgca tgatcgaga caactgcgcc aatgtgcgcc gcggtgaggg 240
cttcttggtc ggcagtgtga gcaccttcg tcgtcgctgc atctgcacta agcactgctt 300
aacaagatcg ctcgatcgct cgccatgcat cgtcaacctt ttattaataa cgtgcattat 360
ctcgtgctta tttatgacga atgtcatgta tgttctggtg actgtcatgc atattctgat 420
gaccggcatg tatic 434

<210> 23173
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-024-Q1-K1-F8

 <400> 23173

cgtcactgtc gcagacggcc tcgcactcgc actcgccact gatcaaccag aactaccegc 60
 ggctgaacca gatgcaggtg ttccaccacc tcggcggcag tcagcagccg tcgttccacc 120
 aggacggcag cgcggcggct ttcggtgaca tcgtctcctc tcgcctgccg ccactgccaa 180
 ccgccagaac gcaggcggag ctacattcga accaattcga cacctccatc agcggcgggc 240
 tgggtggatca gtcgatgctg atcggcgacg aacacctgct gcggcctaac ccgagtatgg 300
 tcaaggctctc ctccatgccc ggcgtctcct accgtgagcc ggatgggtcc aggatgctgc 360
 cagcccatgg cgccggggagc gacggcgacg tctcctcgct ggggcaatgc ccttcgggac 420
 aggacctnca ccgtggtgcg acatggg 447

<210> 23174
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-F9

 <400> 23174

cccacgcctt caccatctg acagaccagt cttccgcact aaacgatcct acattggcgt 60
 cgcgactac aacaggcata ttggcgtctc catcgatgaa gcggacgact aacatgagtt 120
 acagcctacg cctgacggcg atgcatacca cctaagcgac accttcggtc gaccacttac 180
 tcccttcgac gaaacctgct acacctgctt cagtccctca tccttctact acgcaccgca 240
 ctacgcctac tccgagccgt acgactactc tcaccactcc aagccaaagc ccatctacag 300
 cttccgactt cagcatgagc aacagtcgta ttactgtagc ggatactgat ccaggcccga 360
 acccgctgcc gacgatggct gttgctatgg atctcgcttt ggatc 405

<210> 23175
 <211> 444

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-G1

 <400> 23175

 ccgtctccgt ctccgattct ggatctgccc atgccgtaac ccgcaggtct cgggcatctc 60
 ggtctcgcct ccaaaattca ccttcgccga ttgccgccgt gggccgcgcg cagggcggttg 120
 cggacgcctc gtaccacctc cgtegcattc tccgctgact cccccctcgg tggcgctcca 180
 ctgcgctcct caacagcctg ctccattccc acgccacctc ctctcgctcc gctgcgacca 240
 ccgaggacca ccagagcggg acgccgcgga actcgtcggc cactcctggg ccgtcgcgca 300
 tgctgacgac gaggccgttg cctcccgagg caccctcgac gcggagctcg cgcgcgtcct 360
 gcgagcgcac ggcgcgcgtc aagcggcggg cgcgccggcg gaggaacagg ttgaggtatg 420
 tccagaacag aggacaggga ggga 444

<210> 23176
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-G10

 <400> 23176

 tgatccacga gcacgcggag aggtctccggc gcgcgctggc cgacacccgg cggcggcact 60
 accgttcgct cgtcggcgcg gccgatgcgg ctgctgctcg gcggataagg gagaaggagt 120
 cggaggcctg ggaggccgcg cggcgccgcg ccgacctgga ggatcgggtc gcgcggctga 180
 gggcggaggc ggcggcgtgg caggcaaagg agctcgcgga ccagtccacg gccgcggcgc 240
 tccacgcgca gctgcagcac gcgaggcgca aggccgccga cgccgaggaa gggggcaacg 300
 cggcggacga cgccgggtcg tgcttcgctg acccgacag ggtggtggag atcgccccgc 360
 cgtcggccag gccgtgccgg tcgtgcaggc tgc 393

<210> 23177
 <211> 445
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-G11

<400> 23177

cagcaagggtg ctgcgccatth caccgattat ggtggcatgg caaccggttg gcataatcaat 60
gggggtcttc gacatgtgcc accggtatct gaaagaaagg aagcagttcg gagtccctct 120
ggcggcgtht cagctgaacc aagagaagct cggccggatg ctcggtaacg tccagtcgat 180
ggtcctcgtc ggctggcgtc tctgcaagct ctacgagtcg gggaaaatga cgccggggcca 240
cgctagccta gggaaggctt ggaactccag gacggcccg c gaggtggtct cccttggccg 300
agagctgctg ggtgggaacg ggattttggc cgacttcctt gtagccaagg cgttctgcga 360
cctggagccc atctactcgt acgagggcac gtacgacatc aacagcctgg tgaccggcaa 420
ggaggtcacc gtgatcgga gcttc 445

<210> 23178

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G12

<400> 23178

cccacgcgtc cgcccgacgc cgcccgctgc tccggtcctt ccgaacgctg gcctgttctt 60
gggtgccttt ggccattcg tcaggcggcc cctccgcagg cgacgcaggc gggggcacga 120
cggcgctgg ccccgactac gtagacagct aaccggtctc cgctccggc ccttctcttg 180
tcgcccgatt gagtcgctgc tgcaactgcc aacttcaccc ccggcgagct caccacagtc 240
ttccggaaaag gtgctatcaa tttggaagat ggcagatgag gagcaggccc caagctctaa 300
gaaaagggtt gcaggctactc aaatcaacaa ggattatccg gaacctgatg atgaaggaa 360
agaacaagag atgggtacat ttaagaaagc tactgaagaa gttatggcaa cacggaggat 420
tgtaaagggtt cggcgccagc agacgtcatc 450

<210> 23179

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G2

<400> 23179

cccacgcgtc cgcggacgcg tgggcggacg cgtgggcttg accaaccaga cgcaccggcc 60
gcgggggcga tgccctgctc cacgctccgc cggcggcggc gccattcccg ccggcccacc 120
gtcgacgctc tctccgaacg cggctcccta cacctttctc gcgcgtcagt cccgcgcccc 180
acccggacgc ctccaagatg gtgatgctcc aagggttgatt gataataact ttgtgttgta 240
tggagaggac aacagttctt attcggtgcc actggcagca caatcaggaa tgaagcagag 300
tgacactggt tactcaagca gctcgcattg aacacaccaa ggtagccaa gctccgcacg 360
tggaattcct gtcggtgttt atgcatctgc aacgtcctca attgcgatag tttcagagcc 420
atcagtgacc ataggttctg att 443

<210> 23180
<211> 449
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-G3
<400> 23180

cccacgcgtc cgggagtcag ttcaaggaaa gaagcacagc atcaaattgtt gaaattgaag 60
tgctgttccc ttcagatgcc acaaaccxaa atataagaac ttcaatgggt tctgctgcat 120
atgctcctga gagagatgca atgggtctgga aagtaaaatc attccctggg ggcaaggaat 180
acatgtgcag agcagaattt agtcttcccta gcataacagc ggaagaaggg gccccagaaa 240
agaaggcacc aatacgagtg aaatttgaga taccatattt caccgtatca ggtattcagg 300
tccgttatct gaagataatt gaaaagagtg gttaccaggc actcccctgg gttagatata 360
tcacgatggc tggcgaatat gagctgagac ttatatgagt tttctctttt ctggctgatg 420
gaagacattt atgaaactgc aagatacat 449

<210> 23181
<211> 410
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-G4
<400> 23181

ggcactttcc ctgcctgatt ggcgatttaa gcggtggggg aggggaaggcc gatggtcagt 60

gaaagagagt aggtggacgg acggtgctgg catcgccaat tcaactccgc atctgcatcg 120
gcagcgcgcc agctccatag tgtaggagga gatggcgctc acaagaatcg gtcttgctgg 180
ccttgcggtc atggggcaga accttgccct caacattgca gagaaagggt tccccatctc 240
tgtgtacaac aggacaacct ccaagggtga cgagaccgtg cagcgtgcc aaggcagaagg 300
aaaccttccc gtctacgggt tccatgacct cgcgtccttt gtgaagtcca ttcagaagcc 360
acgggtggtg atcatgctcg tcaaggccgg cgcgccagtt gaccagacca 410

<210> 23182
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F2

<400> 23182
cgaaaacaga gcaaatccgg cgagccggtg cggcggaggg agacgcctgc tcgagaagga 60
ggattagcag gaggcagcgg agatggatcc ggacgcagtg aagtcgacgc tctctaacct 120
tgccttcggc aacgtcatcg ccgccgccgc ccgcgacatc cagaaggaaa tgggtggctaa 180
agacaaggct caagcagcac ctgcaagcca tgatgaagtt gatcttgatg agttgatgga 240
tgaccctgaa cttgagaagt tgcacgcgga gagaattgct gcccttaaga aagagggtga 300
gaagcgtgaa gtgctaaaaa ggcaagggtca cggatgaatac agggaggtaa ttgaagggga 360
cttccttggg gaggttactg gcagtgaag agtcatatgt catttctatc accgtgaatt 420
ttaccgttgc aagatcatgg ataagcatt 449

<210> 23183
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D8

<400> 23183
cccacgcgtc cgccactcg tccgggtcca agccagaaaa cagtaaaatg gcccaatgta 60
agaccatcgt cgcagcagtc ctctggttg ctctcgtggt ttcgacgac ccagccagcg 120
ccgatacgaa cctggaacct gcaggaggct ctacggaggg cagtgcccg accttcggca 180

tgcagaagga agagacccga ggcaacaaga agccagcgac cctcgctgga tctcttggtt 240
caggcaagaa tgccatctac gggtaaata ttagaaggaa tcttgcttcg gaaggatatga 300
aaacaatggg gatgtgctca acaatcaatc tcaacccag gtgacggcaa tgagtcaccc 360
acaggaatgt aaccggatat agatggacat tgctcggtcc atatttcttt ttcatatattt 420
ctcttcaaatt tcaattgaaa ta 442

<210> 23184
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D9

<400> 23184

gcgcgagcag gcactgagcc acctcgcat tttgcacgta tccgcagagg tggccagcga 60
gtggagctat gagatgccag gggccaatcc ggacccgat cgctctctac cggatagcga 120
tgagaggggg gaggatgcta ttacaagcaa tcagccgtcg cacgatcgat acgctgactt 180
gcacgaccac tatagtcttg ttgcagataa tgcattaat cactagatgc tgcttaggaa 240
gttcactta caccatgaca tgctcaacta acgaattcac cacctgcaac actaggtgga 300
ttcagaggag gctaccaacg accta 325

<210> 23185
<211> 448
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-024-Q1-K1-E1

<400> 23185

cccacgcgtc cgcccacgag tccgcccacg cgtccggcgt cgcccgcgaa gggacgaggg 60
cagcgtcggc tccccgtctc cctcccttga gtcccttcct ccagatctcg ggcgaggttc 120
accctgcaga ttgactctac aatacatcgg cgaggaagaa gagctgcggt tcggaagagt 180
aaactctacc cgccgtctcg cgccggttga ccggcgcgaa ggcgagatcc gggcggagat 240
ccagggcgcg gcgcccggca tggcgagctc cggaactcgc taccgagacc gcttctacgc 300

cgccgcggcc tacgctgggt tcggagtcgg cgaggccacc tntctcgcag ctatctcccg 360
 cttccagaac gacgtcgccc tctctctcta cggcttgac cagcaggcca ctggtgggcc 420
 atgcaatgtg cccaagccaa gagcgtgg 448

<210> 23186
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E11

<400> 23186

gacacgcttg catgcacaca caatgcgatg tgagccttgt tctctctggt cctcttctgg 60
 ggggtgcatg gtgagaagga agagtcaaag ggcacgatg cgaaagcgte cggacctgggt 120
 ggggtacttcg acatcaccaa gttgggcgcc tacggcaatg gcaagacaga cagcactaag 180
 gctgtgcaag aagcatgggc ataggcttgc ggctgcactc ttaaacagac aatcctcata 240
 cccaaaggac acttccttgt cctacaacta atcttcacag gccactcaa gggcgacttg 300
 accatccaag tggattgcaa tttgctggcg accacagacc taagccagta cacggaccat 360
 tgtaatcata tccagattct actcgtctat 390

<210> 23187
 <211> 121
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E12

<400> 23187

ctttgtagct aggggtatag tagtgcggtg aggggggtgca tcgatcagtt tggtcatttg 60
 ggtaaaatgc ttgtagttga tggtttggac ttcgaataat aaaaatacta cttcccttct 120
 c 121

<210> 23188
 <211> 447
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E2

<400> 23188

cccacgcgtc cgatgagaac gaaggcggct cggagacgaa tgccagtcgc gtttggcacg 60

acaatacaca agtgtccacc ggagtagctg gacctctcgc aaccgcacgg taggaggacg 120

tgcggcgggtg gctgcgcctg tgcacgcgat ttcgtttgtt ttctccatga attttgcac 180

gcgtgttagt gtcacctaat atttggggca aaacatatgt ttagtagagg gatatgggtc 240

gactcagatt aagtaattag cgagccaaat gtggatcgt cgcccggtta ttggtaatgt 300

atctgctgtg gtataaatgt atctgctgtt ggtatacatt atgaaatcac attttaattt 360

tctatgtaga gaccgacggg ccattttatc ctctgtaca tcacatgtgt gaaatgaaag 420

tgtgggttct aattgagggg ctgtttg 447

<210> 23189

<211> 336

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E3

<400> 23189

tgcactcttc cgcccacgcg tccgctttat tattattatt tcattcctca tgttggttgg 60

tgtttcatgt tttttccacc actaatattg tcctaattga tgcatacaag ttgtcactca 120

aagcattttc tatgctttac ttattgggtta aataaataca aaggcttctt ttacctatg 180

agctatgttt agttcatcgt acatgtatgt cattggaaga ggtgatgtgg agtcaacaaa 240

atcctatatg gtgggtaaca catgtcagtt caagtatga gctacccaac aagtttcatg 300

agtactagac gagtgctatc cctagtcaac cgctct 336

<210> 23190

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E4

<400> 23190

ggcgtgcaca gacaatgcga tgagagcctt gttcctcctg gtcctcttct gcatcgtgca 60

tggtgagaag gaagagtcaa agggcatcga tgcgaaagcg tccgggcctg gtgggttctt 120

cgacatcacc aagttgggcg cctccggcaa tggcaagaca gacagcacga aggctgtgca 180
ggaggcatgg gcatcggcgt gggcgggcac tgggaagcag acaatcctca tacccaaggg 240
cgacttcctt gtcggacaac tcaacttcac aggcccttgc aaggcgacg tgaccatcca 300
ggtggatggc aatctgctgg cgaccacgga cctaagccag tacaaggaac atggtaattg 360
gatcgagatt ctacgcgtgg ataacctggg catcaccggc aagggaacc ttgacgggca 420
gggcccagcc gtgtggagca agaac 445

<210> 23191
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E5

<400> 23191
cccacgcgtc cgacattatt acgggaacaa aaagaaaaaa aacacgagaa aaatcaaattc 60
aggagacggg gattccagag agccccctgtc gggtagggaa gggaaggaga gggaagcgg 120
aggcgagatg gggcgggccg aatccgtgcc ggagacctcc atacacgaat tcaccgtcaa 180
ggattgcaac ggcaaggaag tgagcctgga aacctacaag gggaagggtcc tccttgttgt 240
taacgtcgcc tccaaatgtg ggttcacgga gaccaattac acgcagctga cggagcttta 300
tcagaagtac agggacaaag acttcgagat attggcattc ccttgcaatc agttcttgcg 360
acaggagcca ggtactgatc agcagatata agactttgct tgcaccagat ttaaagctga 420
ataccaggt tttca 435

<210> 23192
<211> 159
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E6

<400> 23192
ggaatagaga aggcacttcc atttctaaaa cccttgattg acttgccatt cattaaagca 60
gtcatccaag ggtttcttcc tggaattgct ttgaagatct tccttatagt gcttccaact 120
atactgatgt ttatgtctaa atttgaagga ctgatatcg 159

<210> 23193
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E7

<400> 23193

```

cccacgcgtc cgccacgcg tccgcttgat tattattatt tcattcctca tgttgtttgt    60
tgttgcatgt ttttccacc actaatattg tcctaattga tgcatacaag ttgtcactca   120
aagcattttc tatgctttac ttattgggta aataaataca aaggcttcct tttacctatg   180
agctatgttt agttcatcgt acatgtatgt cattggaaga ggtgatgtgg agtcaacaaa   240
atcctatatg gtgggtaaca catgtcagtt caagtgatga gttaccaaac aagtttcatg   300
agtactagac gagtgcctatc cctagtcaac cgtccttggg agtacagag atccgaaaga   360
aaagatatac aatagtttct gctatacttt gtagtatatg taagtctt                408
  
```

<210> 23194
 <211> 447
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E8

<400> 23194

```

cccacgcgtc cgggcagggg agtggagggg aggggaagca tcgcaattcc gaacccccac    60
gtcgcgcgtc ccaccaccgc ggccgggttg cgtccgtttc gattgcccag gatgagcacc   120
gagtccgggg agctgctcgg gatcgacccc gtcgagctcc ggttcccatt cgaattaaat   180
aagcagatct cctgcacgct gcagctgacg aacaagacag acaagcaggt cgcgttcaag   240
gtgaagacga caagcccgaa aaagtactgt gttcgcccaa acaacggcat ggtggcgccc   300
cgggtccaagg ctgacgttgt tgttacgatg caagcgcagc gggacgtgcc accggacatg   360
caatgcaagg acaagttcct tgtgcagagc gccaccgtcg ccaaggaggt cgtgccaaag   420
gaggtcactg gagacatggt taccaaa                447
  
```

<210> 23195
 <211> 358
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E9

<400> 23195

cccacgcgtt cgcccacgcg tccgcagatg cttcgacgac agcagtggcc ttcaagcatg 60

gcgtcctcat gcgagtaagc atgggcagcc ttcgtcctag ctggcatagg cagactcctc 120

ctcgcacctg aagcgaatcc agagtcaactg cctgggctct gtaccaatgg gcgaaattat 180

acggcccata tacacgcaa gagacggcaa gctctccacc gcctgaagcc cgggcctacg 240

gcagagagga ctttccatgc gggaacagga ggcttcagcc cgcagtaaac atgacacagt 300

gtccgtatgg agatctacgt cgttcgagga ctgagagagc tactttctgca tatccctc 358

<210> 23196

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F1

<400> 23196

cccacgcgtc cgtttttttt ttttttttac cgtcaaacc tcgatatcga taaatacagt 60

aggtgaggac atgataccct gccaaatggg aataaaaaag caatgacacc accagaaata 120

caaccattcg gtggacttga tttcttttct ttaattccac agcttcatct gttgttttca 180

agtataatat gtacagattg ccttgcaatc ctgaataatg ccggatcttc aggtcaatac 240

tgatccagca cacctagata gcaatgcatg atggagaaat atctagtttt tttctacaag 300

ggaagtgcag gttcttcagc tttctttatc atcactagag cctcctttca atgactgtgc 360

ttcaaacatg aaggtagaac actcagaaac caccttgtac aagtacttct tccttagctt 420

gatggccaag cgtacacatc tttttaca 448

<210> 23197

<211> 380

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F10

<400> 23197

gccctacatc gtgagggccg tccttttttt ttttttttga aacctatccc tcatctatag 60
 tgcgcattaa aacacgtata gggccgactc attctagtaa acgaaccaat taaacacatt 120
 caggctcact cccaaccccc ctaggtaccc attctctgca tcaataactg tagcttcttc 180
 accagcccag ctaccatgat catgtttctt aactgccaca agcttatgat aaccaaccaa 240
 cttaacgcca agctagctgc ctcttttate gacagaatcc tgaactgaac ctactcactc 300
 atggagccgc ttgttgctgc caccaacact ttactagctg ttgccc aaat ccagtcgcaa 360
 actatcaacc tacaacatcc 380

<210> 23198
 <211> 450
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-024-Q1-K1-F11
 <400> 23198

ggcggggcaaa aatggcaaag gctctcctag gtggcctatc ggcgatcctc gtcgtggcgg 60
 gggctcgtcgg tgtggtcgcc accgtcaccg gctccggcaa gaaggccggc gacaacttca 120
 cgggtcccgga ggaggcttcc cttgccacgt ccggcaagtc ggtcaagtcc ctgtgcgcgc 180
 ccacctata caaggagtgc tgcgagaaga cactgtccca ggccaccaat ggcaccgaga 240
 accccaagga ggtgttccac agcgtggcca aggtggcgct ggagtcggtc cagacggcgg 300
 tcgagcagtc caagtcgacg ggcgaggcca aggccagcga ctccatgacc gagagcgcgc 360
 gcgaggactg cangaagctc ctggaggacg ccgtcgacga cctgaagggc atgctcgaga 420
 tggccggcgg cgacatcaan gtgctgttca 450

<210> 23199
 <211> 427
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-D7
 <400> 23199

ctttcaccac agaccaccgc tttcctctac gactacgtcg ctaaaggaag catcctcgac 60
 atgctgtgta gccaggagga tttcccgctg gatctacgca tgaggatcgc gatcaagacc 120

gcggaagcgt tgcagtacct gcattcgtcg gaaactggcg tcaccggaca cggcagcgtc 180
tcggcgcca ccatactcct cgacaacaac ctctaccga agctcaccga gttctcgagg 240
tcatgtacgc tgttcaagaa gagcgagact acttctgttg ttggtgctgg agtgatgac 300
actggcagcc ttctagagaa agctctgaac gacgaccgt cccgtacgg ctcggtgttg 360
atgaacctgg agagcgacgt gtacaggttc ggcggcgtcc tgatggcgct ggtcagcagg 420
gacggcg 427

<210> 23200
<211> 452
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-C11
<400> 23200

cggacgcgtg ggcgacgcg acccaggcct caacaccaa gccatggcga cagcgctgag 60
gcgggggctc cgctccgggc tccgcctcct cgccgcggc gccgaggcgt ccaagccagc 120
tgctcgtgga ttccatgcca ccggcgtgaa gagaatggga gggcatggcc atgatgagcc 180
atactacatc catgccaagc acatgtataa cttgcacagg atgaagcatc aggggttgaa 240
ggtgacactc tccgtgctgg gagcggttgg catcggtgtt ggagtccttg tgtatgcagt 300
catattccag cagaagaaga ctgcctctgg ctgagatgat gcctctcgct gcctgcatat 360
ggagacttgt tttgagcgac atttttttga agttaaagc ttggacttca tcctatcttg 420
gttgttgctt gatactgcat tttcttacca ta 452

<210> 23201
<211> 438
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-C12
<400> 23201

aacgtacttc gatcctcaag tgatcttaat tgttatgaag ctaccagcta gtggagatca 60
ggggcaatgt caaacatcgg gcaatccttc caggtcgatc aggcgcaggc ccagggcgag 120
tgccaggcgg agcgctcaat gtatagatat atggacgtgt ctcggtccac cgctgcgcc 180

atgaccgaca ccgacggagc cgaggtcgac agcgcgcagc atgaggagca ccgcgccgca 240
 cggcaccgtt cagcatgctg atgagcaagt ggcgcagacg gcggctgacg cgatggcagc 300
 cgtcaaggac acagtggcag tcgcggccgt ggccgtcaag gacacggtgg cggacgcgga 360
 ggcaggcgcc aatgacaccg tgaccgacgg ccactgaccg actcacgcgc gtgaacacga 420
 cagcgtacca acaatgct 438

<210> 23202
 <211> 441
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-C4
 <400> 23202

gccaaaaggc actgaagaag ccagtcaata gcgagttcta ctactagtag ctagcctgct 60
 gatctgttct gttgtttagt tcgcaaagcc ttctgtttcg gcgaccatgg aggatgagag 120
 gaacacccag cagcaccagg gcggtgaggg ccagcaggac gccgccgatc aggtggacgt 180
 gaaggatagg gggctcctgg acagccttct cggcaggaag aagcacgacg acgaccagga 240
 gaagaagaag cagacggatg agctggcgac cggcatggag aaggtcacgg tgtccgagcc 300
 cgagaagcac gggcacaagg aggaggagca cgaggtcgtc ggcgagaaga aggagggcct 360
 tctcgccaag ctgcaccgca ccagttccag ctccagctcg tcgagcgacg aggaagagga 420
 ggcgatcgat gagaacggcg a 441

<210> 23203
 <211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-C5
 <400> 23203

cggacgcgtg gggagaagat ggccttgttc ctccacgccg ccgtcacgtc accgggacac 60
 gggcagcagc acggcgcctc gtgcacgag gcgcccgccg cgaacatcac gccgcggaca 120
 acagccagga ataagcagca gcacctgccg gtgagccccg gggcgtgcct ctgctcgccg 180
 accgttcacg agggctcggt ccggtgcagg ctccaccgcg gcagcggcag cggctccggc 240

ctccacgaga tgaagatgag caagaaggcc ggcgtatgac gacgcgacgc agcgggcggc 300
gacaagcggt cgtactacgc cttaccgcaa atgcacaggt gcctttgcct gcatttcggc 360
ctctgctttt gtcccccat ttgttttcgc tgcatacagt aatacagaag gggaagagta 420
ccttggtttt t 431

<210> 23204
<211> 435
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-C6
<400> 23204

cccacgcgtc cggagaaatg aatatcgata gctggcatat catcatgagg atgcgaattc 60
cggaggaagg cccatgtgat cctattgctc ccttagatct tccacattcg ttgcatgctt 120
tccaccgcgt atcagcttgt gactctctca atttggaggg ataccacaca ttccgtggag 180
gattctggaa ttattttagc ttgggaatgg atgcacaagt atcctatgaa ttccactctg 240
aaaggaagag aaatccagag aagttcagac accagctaag aaatcagggt acatatgcta 300
agcttggatt taagcattcc ctaaaccatc tttcatcgag gaacatttct caacttgcaa 360
aggtgaagat catgaaaaga cctgggtccc aatgggaaga gctgaagatt cctcgcagca 420
ttcaatcagt tatct 435

<210> 23205
<211> 141
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-C8
<400> 23205

cacatacaca gactgacaag aatttttcac aaccctagaa gacacactgc cagagagatc 60
tcttcacaaa ggcgtcgagc ctctccactc ggccatactc aacgacaacc tcaactccct 120
cgacaatcac ggcttcaact c 141

<210> 23206
<211> 366

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-C9

 <400> 23206

 cgaacgctta cgcttgctcg gctgtgaaca tttcacatgg agattgacgc agcgagagct 60
 gggggcgctt catgggcatg cgagcgctaa catcggctac aaacgatgct agggcccata 120
 acgatcagat gtatgatgac atccgtctag actgagatcg atcagatcat gtactagagc 180
 gaccggcagc ccacacgtta gtatacgga aaggtggaca catagaacga ttatgcatgg 240
 cagctccttg ctaaccggac cgctcgtaact ggagacagag actatctgtc atagagtact 300
 gcattgctgc ctactactac tagtcccaaa cgcttgctcg tagctactac tacctcacgc 360
 tattac 366

<210> 23207
 <211> 334
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-D1

 <400> 23207

 tcttccactc actgaatgct ttttgtttcc catcaaaaaa tgattcacgt atggttgaat 60
 catttcctta tctaggggtg caatatcaag tcaattccag ttctaacctt aactcaactc 120
 tacaacgtca tgtaaattct accttgtaat tattcgtgcc ttggttggtt ccgttggttt 180
 tttttctccc attgctttca aaaacatggt ttacaccttt taatcaaaga agattgtaat 240
 atactaatca ctacttcctt gcccttcaaa aaaataatat atttataatt ttattttattt 300
 ttattatttt attatatatt taattatata aaaa 334

<210> 23208
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-D10

 <400> 23208

 cccacgcgtc cgaaatcaaa ccatagcatc aatcatgtct ggtcgttcgt ggacaataat 60

gggcgcctctc ctggcgctcga tgctgctcgt cgggctcgcc gtgggctccg aggaggagga 120
 ggacggcggc ggcaaaaaga agccccacgt caaccacggc aagtttaagg cggagccgtg 180
 gacggacggg cagcgacgt actacggcgg tcgcgacggg ttaactgaca ccacggacgg 240
 cggcgcgtgc ggctacaagg gcgagctggg gaaagactac ggcaccctga cggcggccgt 300
 gggcccgtcg ctgtacacca acggcaccgg gtggggcgcg tgctatgagc tcaagggccc 360
 caagggcacc gtggtggtga cggccaccaa cgaggccccg ccgccggtga gcgggcagaa 420
 gggctagcac ttcgacctca ccatacc 447

<210> 23209
 <211> 449
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-D11
 <400> 23209

gaaggcaata tggaactaga aaacttcaac tgactctcga ataaggcagc atacttataa 60
 ggggtgatgc agacaacaaa ccggatcact aggaagccag tgtcaagtta atccacattg 120
 gtgattcagt ttgagtagtg aaaatatacc gctaccaact ctcaatatcc tgaagttcag 180
 gaggtctcat caatggatgc actgtattac atccatgtcg aactcattct gtgtcaacta 240
 tgtttggtct ttccttggga gatattctga tgcaagcata agtgacattc atggaaatgc 300
 tgacttaata gtaagtcac tgtaccactg taccattagc catctcagtc tgagttcaga 360
 tttgtatctt ggtgttactc atgaacacaa aaggcatgta ttataagaaa gattgttcat 420
 tcattttagt cataggcatg attgatatg 449

<210> 23210
 <211> 418
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-D12
 <400> 23210

actagaccag cgcgacatag caactgaatg gtgcgctggc agctgtagtc ctaaagcatg 60
 gggagcatga tgacctgggt tctgcatctg gtcagtgtgg ctcttatcat atactgagtc 120

caagtgggtga acggcacatt ggctataaaa tttatgtccg acagctgact tatgcacgca 180
 tgatcaaaat aagaggcctc acaatgatgc agactcaaca agtccaccat aaatgacatc 240
 tgtcaccctt caaatgctaa tagatactga atgtctaggc tggcttcatt tgtggcaggt 300
 actttttgcg aacccatatg attgtggcga caaccgacga tccataccat gggcacatct 360
 accctgatct caagcacaac gacactcgcg agacaatatt gcttcgtcca gatgaccc 418

<210> 23211

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D2

<400> 23211

gcgttcctct tgcacggaca cgggaggaga agggttgatc acgaccggtg aggacgcgtg 60
 gccagagatg ggtctccacg gaggcgtcgt cgtgctccgc gcgggcgtgc tcgccgacgt 120
 cctcggcttc gtcgccgctg ccgggttcat ctcaaacgac gcgctgctgg agcgcgggcg 180
 cgacaccacc ggccgtagcc tgetgcaggc caagaaagat tgcccgggtga gcttcgaggg 240
 cgccatctac acggtgatca cgagccggtg taagggccct gtgtaccagc cgacgctgtg 300
 ctgctgcgcg ctcaaggact tcgcgtgcc tgactccaac tacgtcaacg acgtgagcac 360
 caactgcgcc gtcaccatgt tcagctacgt caacctctac ggcaagtacg cgccgggcct 420
 ctctgtcata cctgccacga gggcgaca 448

<210> 23212

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D3

<400> 23212

tctttcttcc actcgttctc ccaactcgtcc gctagatctc gatgtccgcc cttttttttt 60
 ttttttttagt aggttttttt tttttttttt attttttttt tttttttttt tttttttttt 120
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttcac 180
 aatttttaaaa aaaatttctt tttaaaattt cctactttct aaaaaaaaaat tttacaaaat 240

ttttccgccca cccactttaaa aaaataaaaaa aatgattaat tttatacccc cccttaaatt 300
 tttaaaaaaaa acaattttttt acccccaaaa aaaaaggacc tccaattttt tttocattaa 360
 aaattttttcc actttgacac cctttttttcc cccttcaaaa aaattaaaaa cctttttttt 420
 ttttttc 427

<210> 23213
 <211> 451
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-D4
 <400> 23213

agaacctact cgctccttac attgaccaac aactaagcct ccgtgaccgc cacatctatt 60
 aggtgcagcc atgggtgcct gtgcaacgaa gcctaagacg cttgagggga aagccccagc 120
 tgaggccacc atctccacac ccaaggttgc acctgagacc actgccatcc acattgaggt 180
 tgcgggcgaag caggcagtag ttgagaaggt ggaggaggac aaggaggagg cactaacagt 240
 ggcgggcgaag caagagccag cagccaccat cgagcctcaa cagattgctg gtgagggtgac 300
 cacttcggaa gtggcggtcg tcgttgtcga gcctgagaac aaagaggagg aggaagttgt 360
 ggagaagacc gtcacgaga aggagaagcc atcagcagtc catgaagagg aaaatatcgc 420
 caccgacaag gtggcagccg agcccacaac a 451

<210> 23214
 <211> 270
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-D5
 <400> 23214

cccacgcgtc cggtgactga aggcttcttg atgcccatga aaaaatgatg cacgggtctt 60
 gaaacaaggc cttagcgagt gttggagtag caagtcagtt ccagttcgaa cctcaacgca 120
 actctacaac gtcacgtaag tgcgacctgt aattatgcgt gcctggggtt tttcgggtgt 180
 ttttttttct cccattgctt tcagagacat ggttgacgcc tgtagtcaa agaagattgt 240
 aatatactaa tcactactcc cttgccctgc 270

<210> 23215
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D6

<400> 23215

ggaggattat agaaatacta ttatgaatct taagcaggaa tttgaatcat taagatcgtc 60
 atatgaggag agatgtacgt tgttagaatc taagaaggaa gatgtagtta aacttgtcgc 120
 agacaaggaa atgaatgaca acatagtttt gcaactcatg caacaacttg aggcaacaaa 180
 aaagtcccat gaggcagaga caaacgagaa ggaggattat agaaatatta atatgaaact 240
 taagcaggaa ttcgaatcat taagatcgtc atatgaggag agcagcacgc tgttagaatc 300
 taagatggaa gacgtagtta aacttgttac agactacgta acgaatgaca acataatttt 360
 gcaactcacg ctagaacttg acgcaacaca atagttgcat gacgcagaga ct 412

<210> 23216
 <211> 361
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-C10

<400> 23216

acgatcctaa tccatggtca tagctcctaa ttctattcta catttaccaa caactaagca 60
 cacgcgaccg ctgagtatat ttcaagctct caccggatcc tgctcaatga atcctaactc 120
 ccttgacgtg aaagcctcag ctgatgccac tatatccaca cccaagcatg caccttatac 180
 cacttccatc cacattgacg ttgcggccaa acagtctgac attgacaaga cagaggaaga 240
 caagtatgat gcactaacat cgacggcaaa tcaagacca gcatccacca ctgatcctaa 300
 acatattgct ggtcatttca ccacatatga attcgcggac atcactgcat agcctaatat 360
 c 361

<210> 23217
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A7

<400> 23217

tgcgttctgc atctgcgatt gctaacgata tccgtctacc tgatgactac cctcccgcta 60
agccgcggct gtacacgcgt gagctgggat cgcggagccg cttgtctact cgcttccggt 120
cccagatagc cttcctctcc aacaaatatt ggattctctt acttcattac gtgatggctt 180
gaagttctct ggcagatgcc gctaatacgat gggaaaggag ttgattagag agatcactga 240
tctaggacac aggcatgaca tttatgtgag cacaagtcac cgggcacagc atttgctgcg 300
ccgaggaccc ttttctttca aacgatatgt agatgcatgc aaggccttaa ggtttgacac 360
tactgagctg aatgctcggg ctctcaacct ccctg 395

<210> 23218

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A8

<400> 23218

tttttgacaa gcaggcaaaa aatgttaatg tgggtcaaag gatttacaaa agaggcggtg 60
tcgagcatcc ttgttttcca aggacgatga tgcctgtcaa ttttgatgcg ggcgatcctg 120
tctgctcttc gctttcttca tctttgcttt aaacctcagt ttcagtagca gtgtctccat 180
agtgtggaca aagttgccga ctgccataac caccagcaag atcccgaga ctaagacctg 240
ccattcggaa gcaagcccat gcaaagcgt ctgaagaagc aaaactccaa catatgcttc 300
gaaaccctgt aatatgaaaa ggacaggata tagcagcaag agctgcccct ccacaccagc 360
tgtttcgcca gcaacgacat ccattctttt agcctttcct agagctattc gagtacgcaa 420
tctttgccgc tggatatctat tct 443

<210> 23219

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A9

<400> 23219

gcaaagcaga agagatgatac tgggaatctct tgggttatgtg ctcatgtatt tcttaagagg 60
aagtctccct tggcaaggcc tgaaagctgg cacaaagaag cagaagtatg ataggatcag 120
tgaaaagaaa atgctgacgc cagttgaggt cctctgtaaa tcatatccat cagagtttac 180
tgcatacttt cattactgta gatcactacg attcgaagat aaaccagatt actcctatct 240
gaagagactc ttccgtgact tatttatccg cgaggggtac caactagatt atgtatttga 300
ctggaccatt atgaaatata ctacgttttag agataaaagc aaaattcagt ctacgggcaa 360
gatgagtggg ttggcaggcc cttctgcaga aaggactgat agaactgcag ctgaagcttt 420
gtttagaagg actggatctg gttctggtca caat 454

<210> 23220
<211> 235
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-B1
<400> 23220

ggtggctctg tcctgcgag gctacggcta tggcaacgag gaggacgacc ggccggagaa 60
gccgcggcgg tacggggtga cggagatgcg gagccccctc tactccttcc gccccgaaaa 120
ccaggcgctc caggaaatat tggattctct tagtccattc ggtgatgggt tgaaagttct 180
ctggcggtat ccataggttg gatggaaagg gaggggtag agagatcact ggtct 235

<210> 23221
<211> 429
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-B10
<400> 23221

cccacgcgtc cgcacaaacc atggctgcga ttatcacaac catgtcgaca cccacgcgcg 60
cgcgggttgt catggctgac gtggctgact tactggtcag gccatcatcg tacgtacttc 120
cgaaacggcc cgcacacagg aacatcactg tcacctatgg gaaggactga ctggacgcta 180
tagcgacatg atatggcaag cgcacgggtg ccgctcctga ccacaacggt gctggctgca 240
ggtacaagga cgtgaacaag cccgccttca ataacatggg cgcacgcagc aacatccgca 300

tcttcaagga tgggtctgggc tgcgggtcct gcttcgagat caagtgcgat aagcctgtgg 360
 agtgcctcgg caagcccggtg gtgggtgcaca ttacggacat gaactatgag cctatcgcgg 420
 cgtaccact 429

<210> 23222

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B11

<400> 23222

agctcgcgtg acaagcatcc tgaggacatc ttcattgctga tcatcgacgc cttcaaccac 60
 tgggtgcagat gcctagtgcg caggatgccg aggtgcctat ggtgcttctt ccacgtgggtc 120
 aacatcgact acacgcactg gctcatgtac tctatcggcg gcagaaaggc ccacaccatc 180
 atcagccagg gcaaccgcta cattacgccg accaaccttg cctcaaagca ggtcaccaag 240
 catcatgaca cgccggagtc cgtgtcgaag aactgggtgt ggcacttcga gaacgacctc 300
 tttatggacg gcacctactt caccgtcacc ggctgtcata tcaacagact ttttaacatg 360
 aa 362

<210> 23223

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B12

<400> 23223

catacgtctt gctacgtctc ccttgccctg ttcctcgcgc gcccgcgccc gtggagttct 60
 gcgatcgagt cctcggagcc cggagcacct ggtgcaacaa tccggacccg cgcgaggaag 120
 ggcggagaga gagccgaatc tgagcctcgg cacaagttgg gcacccgtca agattctcgg 180
 cccgatctgc tgcggaacat ggagctggac agcatcgagt gcatgtccta ctccgacagc 240
 atgggggacg acgacaccga cgccgtcacc tcgtcccagc tccctcgcgc cttcctcaaa 300
 tcctcctcca ccgcccgtac tgccgccgtc aacgtgggtc tcgtctccga ccgctcgggt 360
 gccgccgggc cggtagcggg agcgggttcg ctggtgattt cgccagccac gggcgtgcac 420

gagctgctcg agtgccccgt c 441

<210> 23224

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B2

<400> 23224

cctacgacga aggggaatcta tcatggctgg ctgcaacaga ggccgagcct gcaacaatgt 60
cgatcgcaaa gagggccata cctgaagcta catcaatcga agaggccaac caaatcgctcc 120
gctgaatgta attgaggagc atcatctgaa gtacttgggg agctctcagg 180
taacctggac attggctgct ctgttggagt aagcaccaga tacctcgccg agaagttccc 240
atcagctcaa gctgttgggc tcgacctatc accgtactgt cttgctgtgg cggcacaaaa 300
ggaagaaaaa ctgtcacggc caaagcctat tcgctgggtt catgccaatg gtgaagcgac 360
cggcctgtct tcagattcat ttgaccttgt ctcccttgc tttgtgcacg agcgataacc 420
ggattggtga aggaagcatt c 441

<210> 23225

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B3

<400> 23225

gaagcataac cctgtacata gtgcttttct ctaacttcaa ttgatgggtg gtttgtcagg 60
cgaggggcta tcatacacaac cttcattgtg tgctatgctc ttacatcggt tatttctgga 120
tatgttagtg gtggtcttta ctcaaggagc ggtgggatgg ttctgcacac ttttctttaa 180
ttttcatggt tgtttgcgca attcagtttc tttgcaatat ctctttccat gacgtacctt 240
catgttcttc tatttcaaaa atagtctgca gtttaacttg tcatgtatgg aatcctcacc 300
tcacaaaata tggctcttat cgattgcttc ttgaattcat ggcaggcaaa aactggatta 360
aagcgatggt tcttacagca tccctcttct cgttcttgtg tttttcaatt ggtttcatgc 420
tgaatacaat tgccattttc ta 442

<210> 23226
 <211> 450
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-B4

 <400> 23226

cccacgcgtg cgaagctagg ctgttgagct tgcactgcag ctagttaagt ctgccaaaat 60
 gggagcagct gtagctagaa aggacggagt ggatgcacat gcttgtgaga aaactcatat 120
 atgacgcgcg atcttgggca gaagtgggtg ctacggagga gatactgacc acattcaacg 180
 agtacggctt gctgctgacg ctgagagacc acgatcttct gatgcactga gtgtttgacg 240
 cacacccttg ttgatcaggc accaatcgtg ctgaagcctt cagaacacca gtctgagcag 300
 gaggcgcttg atatagcgat cacatagttg ctattgaagt catattacaa aattgtcacg 360
 aataatgtgg aggacttaat agcaatagct gctatgcac tgctcgagatg tgattcatat 420
 tcgattgtac tttcaggtaa tcatacaaaa 450

<210> 23227
 <211> 434
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-B5

 <400> 23227

cccacgcgtc cgcggacgcg tgggaggact cttgggacgg cgacaacgca cagccaggcc 60
 gggacttgca acaacagtcc ctgaagttac cggcggctag cccatatgac aatttcctca 120
 gagctgctgg ctgttagagg tccagcttgc agcatccaaa acatcattta catggactat 180
 ggcaatttca agatagccac gaactttcca ttccgcagga aatcaaggaa gaggtatgtc 240
 cgtgtatgat gtcttagcta gagactcaac cggattcgac acccattctt tatgtatagc 300
 tgtatatatg tataggttgg ctctttgctg ctgctgatgc tgctgctctt gccaatgcaa 360
 cgagtagaag gactgggggg gagcattgcc ttctatcaca gactgtacat gtaaacaatgt 420
 tgcagaaata tatg 434

<210> 23228
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-B6

 <400> 23228

 ggaagaatgg caccagaaat tgcacaacaa tacaagccca gatgatgtag tgatatgccca 60
 ggcccttaatt gattatatca agagtgactt tgatataagc gtttactggg acaccttgaa 120
 caaaaatggc ataaccaaag agcgtctctt gagctatgat cgtgctattc attcagaacc 180
 aaatttcaga agtgaacaga aggcggggttt actccgtgac ctgggaaatt acatgagaag 240
 cctaaaggct gtgcattctg gtgctgatct tgaatctgct atagcaagtt gtatgggata 300
 caaatcagag ggtgaagggtt tcatggttgg tgttcagatc aatccagtga agggtttacc 360
 atctggattt ccggagttgc ttgaatttgt gcttgaacat gttgaggata aatcagcgga 420
 accacttctt gaggggctat tg 442

<210> 23229
 <211> 445
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-B8

 <400> 23229

 cccacgcgtc cgcggacgcg tgggcggacg cgtgggcgcg gaagcaagag gaggcgagcg 60
 agtactcgac cagccctctc cgctcttgtc tccgatggcg gctcgcgtcc tcgcggccct 120
 cgcctctgcc ctgcctctcg tcgccctacc cgcgccacg cgggcgtcca acgacgaggg 180
 ggacgcgctc tacgcgctgc ggcagcgggt gtcggacccc aacggcgtgc tgcagagctg 240
 ggatcccacg ctggtcacc cctgcaattg gttccacatc tctgcgacc aggtcggccg 300
 cgtcgtccgc ctggacttgg gcaactccaa cgtctccggc tccatcggcc ctgagctcgg 360
 ccgccttgtc aacctcaaat acctggagct gtacaggaac aaccttgacg gcgagatccc 420
 caaggaattg ggcaacctca agaac 445

<210> 23230
 <211> 307

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-B9

 <400> 23230

 tcgcgcacgc gtccgctaata gccttgggcgg cgtctaatagc tctacattcc acagacgcgc 60
 acgagatcgt ccgcaactcg tacctggcta cacatactat gtcgagctca cggcactact 120
 ctctatatagc gcggcgctgg acacgctgac attaaatggc agccagaggc aaacatctgt 180
 ggctgactgc tggcgccag agtgtgacgt cgcgacgctg aagacacctg tgcacatagt 240
 taaggcagcg taggagtcac cgcaggctaa gagcgctgta gcatttaatt cagttgatac 300
 gaacaac 307

<210> 23231
 <211> 289
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-C1

 <400> 23231

 cccacgcgtc cgccacttg tgaagaaagt gcaaactgac taaaaaggcg agcctatttg 60
 gtgcatcatt ttacgtttcg ctagtttata cgtgaatctc tgaataaaaa agagaaaaag 120
 aaaagaaaag agagagagta gccacttgct agtagctggc tcagtgtccc ggcaaattaa 180
 tggccatctc cctggtaaag gtagtcgaat gttcttgtaa tcttgatcaat tggaagctac 240
 actgcactgg atgcatgccc accagtcgaa ctgagcatgc gattttttc 289

<210> 23232
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-A6

 <400> 23232

 gctgcagaac catggaactt gataatttgc taagtactgg gcacaaagct gcatttttcc 60
 caagatggaa gaacaaaaag catggcagtg tcgtaagctg cctaaaagag taacaaacca 120
 agcaaatctt aacattttta catcccaggt cgctatgttt tgccaaaaac tccagaaaaa 180

ttattcatgt cgtctagtat tatattaata ataaaaagaa cagtagagca ggtcctgttt 240
 cgtccgagac tccaggtcag ttcttagcat tgaggtcatt ccttatcttg atcctggatc 300
 gggtgtccaa cttgacaaaa cgcttcaggt cttcataaga gagtgtcttg agatctttcc 360
 ttcgcagctc acttagtaca ggacgcttgt cgagcaagtg ccac 404

<210> 23233
 <211> 231
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H12

<400> 23233

cccacgcgtc cggagaagtt caagaatcag ctgacaaatc aggttacata cgctaagctt 60
 gggcttaaac aaggatggtt ttgtgcttct cttagtcagc catcatcaag gaaccttgct 120
 caaattgcaa aagtaacaat catgaaagga gctgttacct tctggaagaa acttagaatc 180
 atcacagcat tcgggtccatc gtgtgtctga atttgcctag tttttctgga a 231

<210> 23234
 <211> 469
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-023-Q1-K1-H2

<400> 23234

gcactacaag acgttgtgct ccacgatgac gacactgcct ggggtgacta cgccagagca 60
 actcttagat gcatccctgc ggattacagc ggtgaaggca gcgatggcgg agatgaagct 120
 agacaatgca ataaaagcag gcagtgtcga gggtaaccg atgatgtcgt cgctaaagac 180
 atgcaaggag agctacgcgt cgctggtaga ctccatcaat accacgcgga acacgtcaa 240
 aagcggcggc agcaatgcag acctcatgtc ggagctatcc gcggcggaca ccttcgccac 300
 cgactgcggg gacaccttcg acgagcgacc agacctcaac tcaccatac ccggtgcgca 360
 gcgccacgtc aaccgnctca tcagcaactg ccttgacctc gcagccacca ttaaggaaca 420
 accctagatg cctatgatgt ggacactgaa naaatttatc tacaactgg 469

<210> 23235
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-H3

 <400> 23235

 tcgctgcaat caaacgcagg ccgcagtcgc gtgcggaact agagctcctt cagagaagtg 60
 ccgtgccagt gccaccgtcg gccgcatcat cgttccgccc cctgagtgtt cagtaacttc 120
 ttccgatcca tattatggct tcaaagcagc agcagaaaca gttcctggat gaagccatga 180
 tcaagcagcc gacaccggag gaggaccgtg agggcgcatg gccctcagtg ctgacgatca 240
 tcggcctttg attcctaacc ttcaactcat tcatggctgt gtacagggtca aatggagatg 300
 ttggatctat ctctttgtg gtcttctctt acctggctct cgttctgctg ttctactgcc 360
 tgcgccgatt cgagacaact tcaccagagt cgcctagccg ggagcacata aaaatggccg 420
 tgtgggtact caccacgatg ctcaactgctg cgttctcata c 461

<210> 23236
 <211> 465
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-H4

 <400> 23236

 tcgtaccct cgtcgtcgtc tcaactaccc cgccttcacg cctccctcac caaataaggt 60
 cccgcccttt tccgacattc acagggggga caggaaatca gcggccatgg cctcgattcc 120
 ggcgacgacc ttccgctca tcttatccgt cctcttctgt gccgcggtg gcaccgccgt 180
 cgacaacgac ctccccgact acgtcatcca gggccgcgtc tactgcgaca cctgccgcgc 240
 cgggttcgtg accaatgtca ccgagtacat cgcgggcgcc aaggtgaggc tggagtgcaa 300
 gcacttcggc accggcaagc tcgagcgctc catcgacggg gtgaccgacg cgaacggcac 360
 gtacacgata gagtcaagg acagccacga ggaggacatc tgcgaggtgg tcttggtgga 420
 gagcccgcgc aaggactgcg accaggtgca tgcggacagg gaccg 465

<210> 23237

<211> 458
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-H5

 <400> 23237

 cgccatcgcg caccgcctcc ccgtgtcccc tccttctcgc ccggcaccgt cgagctcggc 60
 tgtggaaaca gaacaaaccc atcaaccatg gcgaactcgg cgtcggggat ggccgtgagc 120
 gacgagtgca agctcaagtt ccaggagctc aagtcgaagc gaagcttccg gttcatcacg 180
 ttcaagatca acgagcagac gcagcagggtg gtgggtggaca ggctggggca gccgggagac 240
 acctacgacg acttcaccgg ctccatgccc gagagcgagt gccgctacgc cgtcttcgac 300
 ttcgacttca ccaccgacga gaactgccag aagagcaaga tcttgttcat ctcttggtcc 360
 ccggacacct cgagggtcag gagcaagatg ctgtacgca gctccaagga ccggttcaag 420
 agggagctgg agggcatcca gctggagctg caggccac 458

<210> 23238
 <211> 445
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-H7

 <400> 23238

 ctaataatga tcagtaaag gagcacgccc ccctctgcgc ctttttcttc ttcttcgcct 60
 tagggggctg cagcacaacc tttatcgccg catcgaagac acccttcacg tttagttggg 120
 tctttgagct gcactcgatg tagtatggcg cgcctatttg ctttcttagc tcctctccct 180
 gagcagtagt gataggaaca gcaccaggat gatccacaaa gaactgcttg tcatctcgaa 240
 gatcaagctt tgtccctacg agaattattg gcacaccagg tgcataatgc ttcagttcag 300
 gtatccactt cttcgaaaca ttctcatagc tggctttact gatcagcgag aaagccagaa 360
 gaaaaacatc agctccacga tagctcagtg gtctcaggct gttgtaatcc tcaagacctg 420
 catgctcatt tcctacacct tctac 445

<210> 23239
 <211> 273
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H8

<400> 23239

gcagcgagag actggcaggg gagaggaaaa ttaaaatcta accctagcat tcgcagcgct 60

gggggttacgt ggttgcgatg gcggcggcgg cgagacacct ggggacggtg aagtgggttca 120

acgacaccaa gggcttcggg ttcattctccc gcgacgacgg tagcgaagat ctcttcttgc 180

accattcgtc gatcaagtcg gagggcttcc gctcgctcgc cgagggccat gacgtggtgt 240

tttccgattc ggacggtgac atcggtcgca cta 273

<210> 23240

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A1

<400> 23240

ggagatggat cagactgagg tcctccacct gcttgagtcc cctgatgcc tcaagtcaaa 60

ggttgctgag gcgatggatg ttctccacaa tgtggcccat cagcaaaacg caaacacccc 120

gaccagtcag cttgctgcat tatcaactaac cgaaggcatt atctcctaac ttgaaagcca 180

taacaaacta tcttcagttt gcaattgagt gatgtttcca gaggttatct ggcacatgac 240

agtattgctc cttttttttt ttctatgggt ggacttgagt gctgttttcg tatttgcaact 300

ctgcggtgta ctgccgttaa ggcaaatacag ttgtttgcaa gtttgagtgc tattgggggc 360

cgttgattac atacctgtct tttgcacctt gtcggaagtt ttgctactta attgaatgag 420

tgaggggaact tgtttgc 437

<210> 23241

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A10

<400> 23241

acgacgcgtg cgcggacgcg cggccatgac ttttctagac ccgacatcca acggcatctg 60

atcgaaacaa gctacagcaa caccggacca cctgacctgg acatgcatgc acacgtatac 120
tataatctaa caacgtagct gacctgggca aattgccagc ctgacagggg ccagcgtgct 180
cgaatgtctc actctcaccg acgactaact ttccatcaaa attgattctc gttcatactc 240
catagcatgc acagattgat tgaactgcta cttgagattc ttgtcattgt tattagagag 300
agagacagag acagaacgat tggcatagca tgcaaaattg tttggaagaa gctagcaaag 360
cagttccttg attgta 376

<210> 23242

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A11

<400> 23242

gaccgacgcc ggcgaaatcaa tcaagaacgc catctctagg ttaggggtgtg ttgcacctgg 60
gtggggggaca ggccggcgcc gatcgagaag gtcgcggtgc cggagaagat ggccttggtc 120
ctacacgccg ccgtcacgtc accgggacac cagcagcagc acggcgccctc gtcgcacgag 180
gcgcccgcgcg tgaacatcac gccgoggaca acagccagga ataagcagca gcacctgccg 240
gtgagccccg gggcggtgcct ctgctcgccg accgttcacg agggctcgtt ccggtgcagg 300
ctccaccgcg gcagcggcag cggctccggc ctccacgaga tgaagatgag caagacggcc 360
ggcgtatgac gacgcgacgc agcggggcgc gacaagcgtt cgtactacgc cttaccgcaa 420
atgcacaggt gcctttgcct gcatttc 447

<210> 23243

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A12

<400> 23243

acttcagtcg acgcatcggc taactottcg tcccatattt ctggtcatga acgcacacac 60
aaccatgcga gacttttcac acgtgcactg gttcaactaa tctctccatc tattcatacc 120
tatactacat atttaacacc ataacttacc acatcaaatt gcaaacctga cacaaatcac 180

tcgtcacgaa tgtctcacag tgaccgtcga cacactcacg cttaatatcc acccttaacc 240
 ataatccata ccatgcacac attgatcgaa atcctactag acattattag cattgatatt 300
 acatagacat acaaacacag aacgattgcc ataccatgca taatactacg acagaagcta 360
 ctacatcaac tcct 374

<210> 23244

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A2

<400> 23244

gcggcaccac cggcgcgtcc tcggctcctc gcgtgcgtgc ttaccccggc gaatattcga 60
 ccacggaagc cgcataacct ccgtccatcc catccccgct cgctctcct ctctcgccc 120
 cgctctagac gatcgatggc cgcgacggcg gcggaggaga tggagaggat ggtggaggcg 180
 gagtgggagg aggggaagca ggggatgagg aagaggaagc ggtacgggct ggtggagtac 240
 cgggcgctgc cggttacct gcgggacaac gagtacatcc accgccacta ccgctgcgag 300
 tggccgctcc cgcaggtgct gctctccgcc ttctccatcc acaacgagac cctcaacgctc 360
 tggacgcata ttataggatt ttctatcttt ctgctctga ccatatacac agcatcacao 420
 gttccaaatg cagtagatat ccggagcttg 450

<210> 23245

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A3

<400> 23245

tcgcccacgc gtccgcccac gcgtccgccc acgcgtccgt gcgtttcaa gtccgataca 60
 aaccagcgcc gcgcgcgcgc agcacgtcgg gcgacgttgc ggcaggcgag atccgagaac 120
 actcctcct cgcgcccccg caccgcgatg gccgcgctg gccgcagata gggaggcgca 180
 ggcgggggcg tgcagatcca gatccggtgg gcggcgagga cgagatcgcc ccctaccacc 240
 atggcgggcg ccgtgtcggc gctcttctg ctggacatta agggccgcgt cctcgtctgg 300

cgcgactatc gtggtgatgt ctccgcgcgc caggccgagc gcttcttcac caagtcctc 360
gacaaggagg gcgactcgga agtccactcg cctgtggtct acgacgacgc cggcgtcacg 420
tacatgttca tccagcacia caat 444

<210> 23246
<211> 425
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-A4
<400> 23246

cccacgcgtc cgcagcaagg ctgttgagca agcacagcag caagttaggt ctgccccaaat 60
gtgagcagcg gtggttaagaa aggacggagt ggatgcacag gcttctgaga aaactcaaaa 120
atcacgcgcg atcttgggta gaagtgggtgt aaatggagta gttactgacc acatccaggg 180
ggtaaggcct gctgctgagg cagagagacc aggatcttct gatgcagtga gtgtttgacg 240
cacacccttg ttgatcagcc accagtcgtc ctgaagcctt cagaacacca gtctgagcag 300
gaggcgcttg aaatagcgat caciaaagttg ctattgaagt catattacaa tattgtcagg 360
aaaaatgtgg aggacttaat accaaaagca gttatgcatt tcttggtatg tgattcatat 420
ccgat 425

<210> 23247
<211> 306
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-H11
<400> 23247

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcgcg ggcctccgcg gtgacgcctg 60
cggttccct tccctcgcca aatgctgcgc cgcgctgcgc ctgccggggc tcggccgcgc 120
cgtccacgcc ctgcatttc tcgcgggcgc tgccgtctct cgcgacgcct tcgtgcgcac 180
ctatctcgtc gacatgtacg ccaagtgcgg caggcttccc gacgcgcacc gtctgctcga 240
cgaaacgcgc tgctcgagcc ggacgctggt cggcctggaa ctgcatgac ctggcgtacg 300
gacgga 306

<210> 23248
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F7

<400> 23248

gaactttact gcctcgagca cggcatccag cctgatggcc aagtgcctgg agataagacc 60
gcgggacatc acgatgatgc cttcagcacc ttcttcagcc agactgggtgc tgggaagcac 120
gttccccgtg caatcttcgt tgatctagaa cccactgtga tcgatgaggt gcgcactggc 180
acgtaccgtc agctcttcca ccctgagcag ctcatcagtg gcaaggagga tgccgctaac 240
aatttcgccc gtggccacta cacaattggc aaggagattg ttgatctgtg ccttgaccgt 300
attcgcaagc ttgctgacaa ctgcaccggc ctacagggct tcctgggtctt caatgccgtt 360
ggtggtggca ccggctctgg ccttggttct ctccttcttg agcgctgtc tgtggagtac 420
ggcaagaaat ccaagctggg cttgact 447

<210> 23249
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F8

<400> 23249

cccactcgtc cgcccactcg tccgaataaa tggcgccctca aataacttat aagaaaaaaaa 60
aaagatgaag agctacatga attccattat acaaagaatt tatttactct atataacctc 120
catctctttg ttttaaataga catatgtgct tacgtatagc catgcaaagc tcaaccctta 180
tcttctcagt gaagtttggt tgaaagtgt cctgtattta tgccttctcc aggcgaaaaa 240
tggaattcag gttataagca tgcatttaag ttcaaattag tggacattta attgaaatgt 300
attgttctaa ttttatctc tactgtactt gtgttccaat ttatcctgta gtttttttaa 360
tgccagccag acagtgtaaa caaataattg tcagttttgc cacgattgat ttagattga 420
taagattcat aagattgact tgagtcatat tgacactatt ta 462

<210> 23250

<211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F9

 <400> 23250

 cggacgcgtg ggcggacgcg tgggtaacac cgtaagggct tccaagtccg acacgcttgg 60
 gggcaacaag atgcacgcac ttgtggagta cgagacgtcg cagcaagccg agaaagcagt 120
 ggagaagctg aatgatgaac ggaactggag gaaagggctc cgtgtccgca cagtgtcag 180
 gcgctcgccc aagtcagtga cgaggctgaa gcgtgcagac ttggaccact ttgtggccta 240
 cgacgcagac tcgccgcact cctcatcaga ctccccgacg gcggactgct cttcacctgc 300
 cgaggcagcg gcggctgacg ctcacgtcta tcaccagcag cagcaagagg agcagcagaa 360
 tgggggcaag cacaaaggca gctgggctcg aggacgagct ggcacggcga ccaagctgca 420
 catcacg 427

<210> 23251
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-G1

 <400> 23251

 tcggacaaaa catggctgtg aatgtgagaa ccatgtggtc gtcgatgcgg gcacatgttg 60
 cgatggctgt ggcgttgggt ttcttgggtga gcggcgcatg gtgcggtcct cccaaagtcc 120
 ccccaggcaa gaacatcacg gccacctatg gcaaggactg gttggacgct aaagcgacat 180
 ggtatggcaa gccgacgggt gccggtcccg acgacaacgg tggcggctgc ggggtacaagg 240
 acgtgaacaa gcccccttc aatagcatgg gcgcatgcgg caacatcccc atcttcaagg 300
 atggtctggg ttgtgggtcc tgcttcgaga tcaagtgcga taagcctgtg gagtgtccg 360
 gcaagcccgt ggtggtgcac atcacggaca tgaactatga gcctatcgcg gcgtaccact 420
 tcgatttagc aggcacggcg ttcg 444

<210> 23252
 <211> 220
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G10

<400> 23252

gtgtgcgag ccccgacggg ggcagtagc atgggcagga cgcgtgcgaa gccccgcag 60

agacccttg tggccgtg cctgatccg gcttgaaca tggccgtg cccgatgag 120

ccatggccgt gaatggcgaa gcaaccatca gaaacaagaa agattaaaca aaatagtgat 180

aatgcgtacc acataatcct tctgcacatt tctgtttctt 220

<210> 23253

<211> 331

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G11

<400> 23253

cacacgcgtg ctgcacatcg ctcaaaaat cttccattt cagcagatc tcatctaaat 60

ggggtcttc cacatgtgcg cgaactatct catggatagg aatcacttca aagaccatgc 120

atccgccaat gacctgaccg actataagac tctccagatg ctccattacg tctaatacga 180

cactctcata cgcttgcag actcaatgat ataccaaacg atcaaactga cgaccaccca 240

cacatggcta gagaaagcca agctctagat cacatcccat aaggagacct tccttaggct 300

atagctcttg agaaccaacg tcattacgac t 331

<210> 23254

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G12

<400> 23254

ccgttcccaa aataccccag ctgctgcatg tcttgcagc gaaccgagga gatccgcgaa 60

acgtgaact ccatcgtgtg gcccggtgc aactccgcca ccagatcgt catggtttcc 120

tcagacgacg atttgccaga cggcgtattc gcagcgaatg aagaagaaga cggcatggat 180

acgtaccgtc ggcggcgacg cgtggtctgc ttgacgcggg ccagatctcc gatgaactag 240

agcaaggagg gcaggcgagc gggcgaacgg gcgaacagtt tcaaaatgct agggtttcac 300
gacgcgcaaa aaggtgaagaa agcctgagcc acgccgactc cccctttttt atacatagga 360
cgcgacgctt caggaagccc gcagtccaac agtacacggt catcaacggt cacaataaaa 420
cccccgga 428

<210> 23255
<211> 249
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-G2
<400> 23255

ctgctctgac atttttataa gtacagacag ggctcgctgga gatttcaagg cagccagaga 60
gtgtcgcaaa acgcctggac tcgggtccaca gacaaagggtg aattataaca cgtgcccgcg 120
tttttagtcc tgccatcaga tacatgaaac tgaactcagg cttgttcggt tctcctattg 180
tggtattgagt gagcttggtt gggtttaaat ccaatcaagt caaacttttt ttaaataattt 240
tttaattctt 249

<210> 23256
<211> 282
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-G3
<400> 23256

tagctgagct tctggatcca caacttgatg tctttgccgg acaccatcac ggtaatcaca 60
ccgggtact ccaacaactc gactgacatt catactaccg cattgttcac ctatggcgac 120
atcgaccctt gacttatcca ctaatagcat agcttgccat cagcgctcct cttcttttgt 180
cacttttagca ctcaaccact tccgcggtac tcttcgctg actgatgtta ccattcgtgt 240
aagctactct tccacatata ctagcctact actattaacc aa 282

<210> 23257
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G4

<400> 23257

cccacgcgtc cgcccacgcg tccggtccat ccgagctaag taattaggtc gaaaatgacc 60
cgtgccagca gcagtagcag cagccggcgt gtgacgctgg tactgctcgg tctccgcctg 120
ctgcttcttg ttggtgttgc gcaggcggta gtggagttgg tgctgctga tgataatata 180
gccgcccgcg ctgctggcac ggcggtggac gatggcgagc cgcctcagca gtgcgcgacc 240
ccggtgagcg tggaggaggc gtgccgcggc gcgtccgaga cgcacgccgg cgtggcctac 300
gaccactgca tggcgctcgt gggcgccgac ccgcgcagca aggaggccgg caacaagaac 360
atgcacgggc tggcggtgct ggccaccagg atggccatcg accacgccgt cagcaccgag 420
tccaagatcg acgacctcgc ggagctggag gcggcgctcg c 461

<210> 23258

<211> 259

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G6

<400> 23258

ccagacgtac gctgccgtgt catctttatc agtccagaca gcttctctga agatttaaag 60
gcactcagac agggctgggc aactcctgga ctcggtccac agacaacacg tgtactatat 120
cacgtgcccg cgttcctagt cctgtcatca gacacatgaa actgaactca ggcttactac 180
tattctacta ttgtggattg agtgagcttg gctggcttaa atccaatcaa atcaaacttt 240
ttataaatat atcttaatc 259

<210> 23259

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G7

<400> 23259

gctggacgtc gggaacaaca acttcctgtc gggggcggcc gtccccaggg ccaacaagcc 60
cgactacggc gtgcacttcc ccggcgcca tcccaccgga aggttcagca atggcgacaa 120

cacggctgac ttcgtcgcga agagcatggg gttgaagagt agcccttcgc cgtatctgtc 180
 gcttgacccc aacggctcca gccctctgct cgcgagact gctctcacca ctggtgtcag 240
 ctacgcttcc gcagacgtg gcgtcctcga ctcaaccaac gagggcaagt gcatcccgtt 300
 gtcgacgcag gtgcgtact tcaacggcac caaggcgaag atggtcgcca agaatggcgc 360
 cgtcgcggtg agcaagctgc tggccgactc cgtcatcctc atgggcatcg ccaacaacga 420
 cctgttcgtg ttc 433

<210> 23260
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-G9

<400> 23260
 cattcgctta cctgaagcac aagaataaac gcagccgggc atgggcgaag ctaagctcaa 60
 cagcgtgacc gtctgtctgg tggccctcct cctcctgagc agtggcgttc aggacgtgc 120
 cgccatgccca ggcacgttga actacgacgc gattgtcgcc gacgagccaa acggaaagaa 180
 caaggacctg taccgccccg tgcccaacgc caataaatac acccgcggtt gcgagcccat 240
 agaacgctgc agggggcgcgc gctgatcacc aagcatatac atatagcaca tcgatttctt 300
 attattgcat gcacgtttat ataagtgtc attgtcttgc tgttgtaagt gccagcacia 360
 gcatatatac ggcgtttata tatactacat actccgatcg ttaaaaaaaaa catgct 416

<210> 23261
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-H1

<400> 23261
 acgaaaacga accatcgagc accgactaaa cgtgtacaac tacttataga ccggaaccgt 60
 caaactggga tggggaaaca gaacaaaccc atcaaccatg gcgaactcgg cgtcggggat 120
 ggccgtgagc gacgagtga agctcaagtt ccaggagctc aagtcgaagc gaagcttccg 180
 ggtcataacg ttcaagatca acgagcagac gcagcaagtg gtggtggaca ggctggggca 240

accgggacgac acctacgacg acttcaccgg ctccatgccc gagagcgagt gccggtagcg 300
 cgtcttcgac ttcgacttca ccaccgacga gaactgtcag aagagcaaga tcttggtcat 360
 ctcttggtcc ccggacacct cgagggtcaa gagcaagatg ctgtacgcga gctccaaaga 420
 ccggttcaag aaggagctgg aggg 444

<210> 23262

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H10

<400> 23262

cccacgcgtc cggaacattg cccatccgag ctaagtaatt aggtcgaaaa tgaccogtgc 60
 gggcagcagt agcagcagcc ggcgtgtgac gctgggtactg ctcggtctcc gactgctgct 120
 tatggttggt gttgcgcaag cggtagtga gttgggtgct gctgatgata atatcgccgt 180
 cgtcgctgct ggcacggcat gtggacgatg gcgagccgtc tcagcagtgc gcgaccccg 240
 tgagcgtgca ggaggcgtgc cgcggcacgt ccgagacgca cgccggcgtg gcctacgacc 300
 actgcatggc gtcgctgggc gccgaccgc gcagcaagga tgccggcaac aagaacatgc 360
 acgggctggc ggtgctggcc atcaggatgg ccatcgacca cgcagccagc accgagtcca 420
 agatcgacga cctcacggag ct 442

<210> 23263

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F6

<400> 23263

cccacgcgtc cgcccacgcy ttcgcccacg cgttcgccc ctcgtccgga agatacaaga 60
 gaatttggtg gagagttgaa tatcacactg gtcaaaggca ccaacttggc cgtagagac 120
 atgctaacaa gtgatccata tggtgtttta acgctcggag ggcagaaagt tcaatcaacg 180
 gttaaaaaaa gtgatctgaa tccggtatgg aatgaagtgc ttaagatatc tgttcctcga 240
 aattatggac ctctaaaact tgaagtgtat gaccatgata tgttctcagc cgatgatatc 300

atgggtgaag cagagataga tcttcagcca atgatcacag ccgcatggc ctttgagat 360
 acttcacgtc ttggtgacat gcaaattggg aggtggttca tgaccaaaga caacgcctg 420
 atgaaagata gcacggtgaa tgttggtg 447

<210> 23264

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E11

<400> 23264

cccacgcgtc cgccacgcg tccgcccacg cgtccgcca cgcgtccgct cttcccttgc 60
 gggagcaaag agaagtagcc acaagcatgt ctggcatcat cgacaagatc caggagacgc 120
 tccacatcgg gggcgaccac aaggaggagc acgagcaca gaagggcgag gagcaccaca 180
 agaagggcga ggagcaccac aagaaggacg acggggagca caaggagggc atcgtggaga 240
 agatcaagga caagatcacc ggcgagcacg gcgacaagtc cggcgaccac aaggacaaag 300
 accatatgga gaagaaagat aagaagaaga cgacagagaa gaagcacggg gaaggccatg 360
 accatggtga tgggtgacggc cacagcagca gcagcagcga cagcgactga tctcgctcg 420
 ccgagcgccg tacgcacata tgca 444

<210> 23265

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E2

<400> 23265

cccacgcgtc cggcgctcc aaggtcaccg tcaaggatgt caccttcaag aacatcaccg 60
 gcacctgctc cccccggag gccgttagcc tgctctgcac tgccaaggtc ccatgcaccg 120
 gcgtcaccat ggatgacgtc aacgtcgagt atagcggcac caacaacaag accatggcta 180
 tatgcacgaa cgccaagggc agcaccaagg gttgcctcaa ggagcttgca tgcttctaga 240
 cctccatcg actgacccat ctctctagtt ataattttc tctcgctctt gcattgcca 300
 ttagatgcta tccattggta acgcacaaca gtaaacgac agacatccga cagctatatt 360

atgttcgacg gtgtaacacc ctgaatttga ggggtataaaa tttcttctcc aaataccaac 420
 caaattcaag gggt 434

<210> 23266
 <211> 462
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-E3
 <400> 23266

attcaagaac ctactcgcct cctacattga ccaacaacta agcctccgtg accgccacat 60
 ctattaggtg cagccatggg tgctgtgca acgaagccta agacgcttga ggggaaagcc 120
 ccagctgagg ccaccatctc cacacccaag gttgcacctg agaccactgc catccacatt 180
 gaggttgagg cgaaacaggc agtagttgag aaggtggagg aggacaagga ggaggcacta 240
 acagtggcgg cgaaacaaga gccagcagcc accatcgagc ctcaacagat tgctgggtgag 300
 gtgaccactt cggaagtggc ggctcgctgt gtcgagcctg agaacaaaga ggaggaggaa 360
 gttgtggaga agaccgtcat cgagaaggag aagccatcag cagtccatga agaggaaaat 420
 atcgccaccg acaaggtggc agccgagccc acaacagaat tg 462

<210> 23267
 <211> 461
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-E5
 <400> 23267

cccacgcgtc cgcggacgcg tgggggcagg ggagtggagg ggaggggaag catcgcaatt 60
 gcgaaccccc acctcgccgc tcccaccacc gcggccgggt tgctgctgtt tcgattgccc 120
 aggatgagca ccgagtccgg ggagctgctc gggatcgacc ccgtcgagct ccggttccca 180
 ttcaattaa ataagcagat ctctgcacg ctgcagctga cgaacaagac agacaagcag 240
 gtcgcttca aggtgaagac gacaagcccc aaaaagtact gtgttcgccc aaacaacggc 300
 atggtggcgc cccggtccaa ggctgacgtt gttgttacga tgcaagcgca gcgggacgtg 360
 ccaccggaca tgcaatgcaa ggacaagttc cttgtgcaga gcgccaccgt cgccaaggag 420

gtcgtgccaa aggaggtcac tggagacatg tttaccaaag a 461

<210> 23268

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E7

<400> 23268

gggccttata aagtatctca gtactaatgg tactaccaat gctgatcctg cagttgattt 60

agtaagagca ctgcagtccc aatgccggga cgataccagt actcaacagt ttgaactctc 120

ttttcatgga agtggaaaca aatattcatg tagcagtctg gcagaactag atcagctcac 180

ttgcaagaac ttgtgactg atataattct tgacgtccct ggttctgata gagagatgcc 240

tcagttaggt gtcagtgtc tcatgtgcag ggacatctca ttaaacggtc aacgagtgga 300

aaacaaacat gagctttctg atcttgggca gaggggtcca caggtatctg caattgacaa 360

agtacttgat tccatgaatt cttatgggtga caattcgtat ggggagatgc catcagcttc 420

aaaaattctt gagctgtggg agcatgagag gtaaata 458

<210> 23269

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-023-Q1-K1-E9

<400> 23269

cccacgcgtc cgcggacgcg tgggcagatc gatcgattac agcaatggcg gccaaggtgt 60

tgctcctcct ccgactcagc atggtcgcgc tgctcctggc tgccatcgcc acagtagcgc 120

tcgcggagga agccgatccg cgggcactgc cggcacagtg gaccaccgcg aagaagtaca 180

aggccacgat ggacgccaag acgcggcagg ctttcgacgg cgtggtggcc gccgctacgg 240

cagagaagcg gtcccaggcg gtggaggccg tgctgcagca gcagctgaac atggacgtgt 300

ccctgtccaa ggcgacgtct tccggggacg agaacaacta cgtgagcgtg gccgncgtct 360

acgagaaggc cgcgggcgcc gtcacgcggg cgacgccgga caacaagctc cgcgctatgg 420

cgttcgcgtt cgacggcgcg gt 442

<210> 23270
 <211> 449
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F10

 <400> 23270

 gcccaccgaa ttccctgcga ttcctctccc ctgcctcct cgtctcccc taggggatcg 60
 ggggagagga atcgcaaaga gggccgtctc atccgagtta aggaagccat ggagcacaag 120
 gaggctgggt gccaggcccc cgagggaccc atcctctgca tcaataactg tggcttcttc 180
 ggcagcgcg cgaccatgaa catgtgctct aagtgcaca aggagatgat aacgaagcag 240
 gatcaggcca agctggctgc ctctctatc gacagcatcg tgaacggcag cgacgccgtc 300
 atggagccgg ttgttgctgg cagcaacacg gtagtagctg ttgcccaagt cgagttgcaa 360
 acaatgaacg tgcagcagcc cgctgatgtt gccggacca gcgagggggg ggcgcgatc 420
 tccaaagggg ggaaggtagg gccgaaccg 449

<210> 23271
 <211> 295
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F11

 <400> 23271

 gccaaagccta caccctaagg aactcaaat tttgcctatt ggtgtcccc aaaatgatgg 60
 cgagctctat atcagtgata tcggcatctc gatcgagtaa aatgaccatc aacaacttta 120
 ctggccgggtt gcaggtttcc tttgccacct actatatgac tgacaaactc ttgttcgcgc 180
 tcacctata caaccattcg catgagatga cactgtctca ggccaccaat gtcaccgcta 240
 actcaaatca ggcgatctac atcgtttaca aagtgtatct ttaattggtc catac 295

<210> 23272
 <211> 410
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F12

<400> 23272

cccacgcgtc cgcggacgcg tgggttcctc ttcacgcgt ccaccacgtt cctgtgcctc 60
ggcgtgttcg gcttctgctg ggtggacctg ctgctcacct cccggcggcg cggcggcgctc 120
ggcatcggcc gcgccgtggc cgagtcgccc gtctccggct gcctcatcgc ctacacgttc 180
gtgacggcgt ggttcgtggg cgggctcacg gcgttcact cctacctcgt gtgcaccaac 240
cagaccacgt acgagaactt ccggtaccgg tacgagcgca aggccaaccc gttcaaccgc 300
ggcgccggca gtaacgtggc cgagatcttc tgctcgccgg tcccgcgctc ccggaacgac 360
ttccgggcca ggggtgtccc cgccgacctg gacgccgtcg cgctctatta 410

<210> 23273

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F2

<400> 23273

cccacgcgtc cgctgcgttg tcacccaccc atcaagggtg gggccgccag cagagttcag 60
ccgttcctgt tcctgataaa acgagagaag gatggcagtg tctcagggag ctgtcctatt 120
cttgtttctc ctctcgtcg cagcagaggt gggaaccatc gatgccaaaa tgggagtagc 180
catgccccatg catgccttga taatggagaa agcgaaacag caggagaagg agaagaagga 240
ggagaaaagc acggagaagg aagagagtca atgcttatcg ccgagtctcc agttcgaggg 300
cttctgcttc aacagcgaca gatgcgccga ggtgtgcatg aaggagagct ttcccgggtg 360
cgagtgcaag cgggacgtgg ccatgcgcaa gtgcttctgc aagaagcctt gctagttcat 420
cggctcttgct aattgttgat ggggtgcttca ttaatttgat ttgatg 466

<210> 23274

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F3

<400> 23274

tgcgttgaag ataacactat ttattactac cgatgtggag ggcaggggtcc ataattccaa 60

tttagtaccc cgtcctccca atttcctttg tcattggctg ttgttggtga tcttggtcag 120
 actagttgga caacatcaac cctgaatcac attaagcagt gtgagcatga tatgctttta 180
 ctccctggtg atctatctta tgctgattat atgcaacact tgtgggattc cttcggcaca 240
 ttggtggagc cacttgctag caaccggcct tggatggtga cagaaggcaa ccatgagaag 300
 gagcacattc cattttttga gtcaggattt caatcttata atgcacgatg gaaaatgcct 360
 tatgaagaga gcggatctag atcaaatttg tactactctt ttgaagttgc tgggtgcacac 420
 attataatgc taggttcata cacagattat gatgatagct ca 462

<210> 23275

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F4

<400> 23275

ctgacacatc gttgtgcaa ccttgcctct ggtttgactg gttgcatgat tgctgatggg 60
 taatgccttg ccttgtagtt gcagggtgta acactctaatt attggtaata ctagagagggc 120
 tctgggccgt ggtggcatcg aggacatcaa gtacgtcggc agggccccgt cggtctgtac 180
 tgctacgggc ttctactcgg tgcacgtgca ggattagacg gagctggtgc aaaaggccct 240
 gcagcgcgac cccatcaact acccgctctg aaagaaacga gaccctgtga aattcttgga 300
 aaattgggca ccttttgatt ttgatatacc tctatagaga gagcaggcct taaggatatgc 360
 ctgtgctgct gtgcagccat ttgttgaaat aatcgtttcg gactctacag taccgcatta 420
 tatagtatat aatttcatga taaatattgt ataagtaatt at 462

<210> 23276

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E10

<400> 23276

cccacgcgtc cgcttctctt cgaggcgacg cctgggctac cgcgccgcta ctgcggcctc 60
 gggcgacagg tgcctagtct ccatcagggtg ccatgtcttc ttcgggctct tcaccggcga 120

cgtgcactgc cagctctgca tgtatacacc caagtccttt actgggtccg ccgacgcccc 180
 tacgtacttc gttaggttta gtatgctggt aagtttgtaa ttctagggtc tggaggggaag 240
 catagatctc aagaggggtg aaatttggtg gtaatttcct gagaatttca aggagacaag 300
 ggcgtggagg ttgattctgg agggatctgt gagcacagca gcagaaattt gaggttggtg 360
 gtagcctggt gatccacgat ggtgggtaag gagctgggtg tgcaaaggaa tggccctggt 420
 gacatacgtg agattgctgc 440

<210> 23277
 <211> 458
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-C7
 <400> 23277

caatttatct tacattgttt ctccaaaacg gttggattct agaaaaggat gctgtattga 60
 taatggactt gttgtccttg gaacatgttt cttcgttctg gatggttcag aagcagagcc 120
 agaggagact acgagttagt gttgagcatg acctaggtgc tagtgatgct gcaccaaaga 180
 cactgagatt gtttgtccct tactggataa aaaaccactc gtcaattcca ttatgttatt 240
 gcatagtaga aggggaatcc acagaaagca cagaagcaga ctcaattagc agaccagact 300
 cgctaagtag agtgtctaag tcttcaaaat tttcccttaa atattcttca aagtctcttg 360
 tcagaagagg aacaatgtcg cacagaaata tgcaagtact ggaagatatt gaagattgta 420
 gcacagacta tgtgatgcta tcaccacaag attacttg 458

<210> 23278
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-C8
 <400> 23278

ctctctctcg cgaacgacgc gattccacac cgcaaaccct cctccctcc atggattgat 60
 cgagctgctc gtccaccttc gtcgcgccc tcgcctcgcc atttcgtagc ttgtttcttt 120
 ttcccttctc cctccctttc ggtttctgct cgattcatca aattagttta ttggagggga 180

gggagacggt aggtgggctg ggcgtctcag cgctgcgtg ctccgcctcg ggagaagccg 240
 agaaggtcaa aagaaatccc caccaccaac gcaggcgact cccccaatcc accatagctt 300
 cctattctcc ccatcaccag acgcccagag cccccgccc ccagctcgga gcaagcaata 360
 aaaggcaaag gtgccgactt ttctgaaccg cttgccctcc gtccacgcca tattggtcga 420
 ttgctcgatt cctcggtcgg tggagggacc ccggggc 457

<210> 23279

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C9

<400> 23279

cccaagcgtg cgcccacgcg tccgaccacg cgtacgattt agataaattt aaaggttcat 60
 cggttcgcca gagcaaatga gcagcagctg ttgccttctg ccatacgtac ttcagcaact 120
 tctgatgata aggaagatga catcagcctg aactttggta agttaacgcc tggactaaga 180
 aacaaacca ggcaaccccc accatacacc aaagtttcca gggagagcat tctgcctaag 240
 cagtccttgc ctaaggtttc tgctggcact gaagagtcag tcgattctga agagaatact 300
 acattcaaac aggatagaag tagtcccaaa agctcatttt cagccaggac ttcttcaggt 360
 aaagactacg acagtggact ttatgaaagg aaccgaagtg ttggaacaca ctgggaagca 420
 aatcaacca tagcaagaaa ttcctctggg ttag 454

<210> 23280

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D1

<400> 23280

acgcattctt cccctctgct accctcttgc gtggactcga acaccgaaa tcagaacgcc 60
 gtcggcagag ccgtatccag gaaggtgaaa gcaccgccgc caccgtcgtc cgcggtgctac 120
 accatagtcg tgaccttggg gtactaccta ggagattcgc cttattgtga ttcttgtgcg 180
 cgatcacttc gagagagcgg aaaccagccg ttccttcctc aattgctcgc cggaggaggg 240

ccgtcacccct gtttccatgt cgtgccgtgg gcaagggggtt cgggcattac gatcaccga 300
 cgagccatct acagaggatc tcggggttca gcagggtggag actgctgagc aggagctcgt 360
 tgaagagatc aaagatgtgg tgtttgccct gaaacacaac agtgctccgg gtcccgatgg 420
 tttcccttct gaattttatc aggagtctctg ggaagtcac aaagt 465

<210> 23281
 <211> 337
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-D11
 <400> 23281

ataacttttag atctgcttga aaccttcaat ttttaataca atcaggcacg atacttataa 60
 ggggctattc aaacgtcaaa ccggatcact aggatcccac tatcaactta atccaaattg 120
 ttcattcaat atgtatatat atataattat atatccatct atctatatat ataagataat 180
 gaggtatcat taatgcatgc actcaattac atccatgtct aactcattct ttctcaacta 240
 tatttgctct ttccttggca gatatcttga tgcaagcata attcacattc atggaaatga 300
 tcacttacta gttatccatt atcaccattg aaccatt 337

<210> 23282
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-023-Q1-K1-D12
 <400> 23282

gtggcggtga agcagctcaa gtccgggagc gggcaggggg agcgcgagtt ccaggcggag 60
 ggggagatca tcagccgcgt gcaccaccgt cacctggtgt cgctcgtagg ctactgcac 120
 gcgggcaacc agcgcagct cgtctacgag ttcgtggcca acaacacgct ggagcaccat 180
 ctgtacgcca aggacggccc tgtcatggac tggagcacc gcataagat cgcgctcggc 240
 tccgccaagg gcctcgcta cctncacgag gactgccatc ctgggatcat ccaccgcgac 300
 atcaaggccg ncaacatcct gctggacaac aacttcgagg ccatggtggc ggacttcggg 360

ctggccaagc tcacgacgga caccaacacg cacgtctnca cgcgcgatcat gggcaccttt 420
cgctacctgg cgccggagta cgcg 444

<210> 23283
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D2

<400> 23283

tcgcccacgc gtccggtgct ggaatcgaag ccatcttgct aagtaatgac ctccaggtgg 60
catctgaaga taccatctat gacttcttac tcagatgggc ccgtgcacaa taccgaaat 120
cagaagagag acgtgaggtc cttagttctc ggctgctccc tcttggtgca ttcagtcata 180
tgacgtgtag gaagctgcgg aaggctcctag cctgcacaga tatagaccac gagcaagcaa 240
ccaagtgtgt caccgaggct cttctgttca aagctgatgc accacaccgg caacgagctc 300
ttgcagcgga cgcaataacc tgccggaaat tcgccgagcg ggcttacaag tacagaccac 360
tcaaagttgt tgagtttgat cggccctacc cacagtgcac agcatacttg gatctcaagc 420
gcgacgagtg ctctcgactc tt 442

<210> 23284
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D4

<400> 23284

gctcagcctc ctgcaccacc cgaacctcgt caagctgctg ggctacagca ccgactccaa 60
ccagcggatc ctggtctacg agtacatgcc caggggctcg ctggaggacc atctcctgga 120
cttgcccccg agctggaagc ccctgccgtg gcacacgcgg atgcggatcg cgggtgggccc 180
ggcgaagggc atccagtacc tgcacgaggt ggcaaaccgc ccggtgatct accgcgacct 240
caaggcctcc aacatcctcc tggacgcgga cttcaacgcc aagctctccg acttcggcct 300
cgccaagctg ggccccatgg gcgaccagag ccacgtcagc accagagtca tgggcaccta 360
cggctactgc gcccccgagt acgcatgac cggcaagctc accaagatgt cggacatcta 420

cagcttcggc gtcgtgctgc tcgagctca

449

<210> 23285

<211> 275

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D5

<400> 23285

aacagacgtg cggccacacg taaactgacg agctgacaat gtctactgac cggatcggca 60

cggctaggtc acgaaatgaa gcccacacgt ggtgacgacat tcacagttgg gacaggagat 120

taagtacat ggcctcaaat gcagcgacaa cctacttggg catggtatct gtcacttatt 180

gtacagctgt taagacattt cacaaaatcg gactagagtg atacttaata cagtgtcgtt 240

tctactgtga cacctgcaag cgccggtggt cttga 275

<210> 23286

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D7

<400> 23286

attgaccaa gaccggtag ttccctggat ggactccggc tagcctgcaa gagaaaaaat 60

ggtgaaggac ccaatggcca gagttcagca ggtgctagca ctagtttttc ccacaggaac 120

tacaatgctt tccataacat tgcttcttca agttacaatc ctgcacctat cagaaattcg 180

tcctcacca attgcttgcc agttccaagt tctatcgatg atcaactccc acgatatgga 240

actaatgcat ggctctcagc cggtagctat gaccttaatg gaggggtcaa caatgctggg 300

aattcgaga gaagtttccg ggcaagaatt actacgtctc aacagattgc tccctgtagt 360

gtatggccct cttcaaatgc tatcagactt cctaattcat ggaatcatca gctacctcat 420

tttcaaagtg catttgatga taccatgag gttattc 457

<210> 23287

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D8

<400> 23287

cggacgcgtg ggttggaccg cacgaactgg aagaccaaca tgctgacagc tctcttggtt 60
gcttacattt tcttcactct gcctaattgtg ctgttttcta tgatcagagg agaggtgggg 120
aaatggattg cgattattgc tgttattctg cgactatttt ttccgcgcca ctccccagat 180
tggttagagc ttcccggttc catcatcctg ctcacagcag ccgtccccag tctgttcgca 240
cacaccttca gggacgacct cgtcggtgtc ttcatatgcc ttgcgatcgg atgctacctg 300
ctccaagagc acatcagggc gtcagatgga ctcaggaacg ccttcaggaa gggcaatggc 360
gtgtccaact ccattggcat cctgctgctc ttcactacc ctgtctggac cggcgtgctg 420
cagatcctgt aggcgc 436

<210> 23288

<211> 465

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-023-Q1-K1-E1

<400> 23288

cccacgcgtc cgactcgcca ttctaagtc ctaactacct ccaacccccg acgcacaact 60
ggccgcgcca aggcaaagct agaagaagac aacgcaaagg gagaggacag aggaggagca 120
gaggacgatg ggcagcggcg gcgctaacac tgccccctt ctcacccctt acaagatggg 180
aaaattcgat gttaccaca gggtagtcct cgcaccactg acgagacagc ggtcctacgg 240
caacgttccc cagcctcatg ccatactgta ctatcagcag agggcgacta aaggaggtct 300
tctgatcgct gaggccacgg gggtttcaga cactgctcaa ggggtacaagg acactcctgg 360
catttgacc catgagcaag tcgaagcatg gaagccgatc gtagacgggg ttcaccagaa 420
aggagggata tttttctgtc agatttggca cgtanggaga gtctc 465

<210> 23289

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B2

<400> 23289

acgcgctctg gtagcaggaa cagcgatggg tggcctgagc tcaggattca tcttcgccgc 60
agcagtgtga gtgacctccg agctctttgg accaaacagc atcgggtgtga accacaacat 120
cctgatcacc aacatcccgc tgggggtcact cctctatggg cagatcgccg ccatgggtgta 180
cgacgcgaat ggacaaagga tgacactgat ggataatcgc actggcatca ttgacaccat 240
gattgtgtgc atgggggtga agtgctactc gaccaccttc ctctgtgtggg gttgcatcac 300
attgctgggg ttagtgctga gcgtagttct gttcataaga aaaaaaccgg cttatgctgc 360
tgctgctgct gttggtcggt cgagttgtaa gcaccttcac caagttttca gttaacggcg 420
gatttcttgg tcaaaacaaa t 441

<210> 23290

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B3

<400> 23290

acgctgacgc gtgtgctgac tcgtgggctg acgcgtgggc ggacgcgtgg gttggattgt 60
ccaggaaagg gcagctcccc tgccctcatgc ccatcaaatac gttaaacttg ttagatcggg 120
aggcagagag aggccagact gatgggaatg gcagccaagg agcactttgt gcttgttcat 180
ggtgaagggc atggagcctg gtgctgggtc aagctccgct ggctccttga ggggtgctggc 240
taccatgtta catgcattga cctagccgga ggctgctgtc atcctactga cccaacaca 300
attcggtcgt tccagcacta cgacaagcca ctcatagacc tcatttcaac cttgcctgaa 360
gtggagaacg tgattctaata cggacatggg gctggagggc tgagtgtgat tcatgc 416

<210> 23291

<211> 213

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B4

<400> 23291

gaaaataaag aagaaatctg acagtgagaa atcttgtaag aaagaactgg aaaatgataa 60

atgcggtggaa gatggattca gcatatgaga aaggcaagct tatcaatccc atcaaacatc 120
tagatatatc actccaacca ccttctcaaa ctgccatctc caaatgacat ccgttccata 180
cgaactaaca gaatctatac cactttattc tat 213

<210> 23292
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B5

<400> 23292

cacgtcaacc acggcaagtt taaggcggag ccgtggacgg acgggcacgc gacgtactac 60
ggcgggcgcg acgggttaac tgacaccacg gacggcggct cgtgcggcta caagggcgag 120
ctgtacacca acggcacccg gtgcggcgcg tgctatgagc tcaagggccccc caagggcacc 180
gtggtggtga cggccaccaa cgaggccccc cgcgccgtga gcgggcagaa gggcgagcac 240
ttcgacctca ccataccggc gttcctcaag atcgccgagg agaaggccgg catcgtgccc 300
atcacctacc gcaaggtggc gtgcgagagg aaaggcggca tccggtacac gatcacggtg 360
aaccagcact acagcgaggt gaaggtgacc aacgtgggct gcgccggtga cgtggtggcg 420
ctgtgggtga agggcaacaa gcgcgttaag t 451

<210> 23293
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B6

<400> 23293

tgcgccactc gtcctccac tcgtccgaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaagaaaa aaaaaaaaaa aaaaaataaa aaaaaaaaaa aaaaaaaaaa caaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aagggccacc tattttaaag acacaagctt acttttataa 180
aacattcaac actgaaaaaa ccctatagtc tcacataaat taaattaata tgagcatatg 240
ctttaaaacg tcatgactgg taaaacccaa gagttcccca actaaatccc tttaaaacaa 300
attcacattt taaaagctga attaaactct aaatgtcccg gcacattaac ctcttcaaaa 360

attggggaaa cccaaattga aaatggtaca ctccatatac ctataaatta atcccttttg 420
 tttt 424

<210> 23294
 <211> 461
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-B7
 <400> 23294

ccgcgccgcg cgtggcccga tccagcccgg ccctcggatg gtcgccgctg gcacgtgaca 60
 gggacgacac cagcggcggc ggggtgcgggt ccatggagtt ctggccggag ttcctggcct 120
 ccagcggcgg gcgcgagttc gtggccggcg ggggtgggcgg catggcgggc gtgctggcgg 180
 gccacccgct cgacacgctc cgcacccgcc tccagcagcc gtccgccgcg ggcgcaccac 240
 gccgccgcga cgcgcacccc tcagccccgc gccttctacg cggcatcctc cgcgccgagg 300
 gccctgccc gctctaccgc ggcattggccg cgcgcctcgc ctccgtcgc ttccagaacg 360
 cgatggtgtt ccaggtgtat gcggtcctgt cgcggtcgtt gggccccgtc accttcgagc 420
 cgtcgtccta cgcgagcgtg gcgctggccg gcgtcagcac g 461

<210> 23295
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-B8
 <400> 23295

acggctgcgt aaacgaatcc atcgccatgg cgtctcgtct cgatgcggcg gcggcctacg 60
 gctggtcctt ctcttcagcg tgcacctcgc gctcgcctaa tctctcgcg cggccttgcc 120
 ggtgccgcag acggccatgg gtctgcgaag gcgccttgcc ggaaagatcc gttgagcccg 180
 atcaagtggg aggaagagca ctttgggcta gcaagcctct caatgtgggg gggtatttgc 240
 tatggtggct acaagctttt tagcggaaaag aaggaagcca agactgatgc gggatcacca 300
 caggcatagg tggcggagat ggagctgtac ccatactcgc gggctggcta caatgtgaaa 360
 tcaaaggaat gctctacgat gagctgtcaa gatgataaat cgcggcatca agagattatg 420

ctttaccgat gcaatatatt gagaagctac tcttact

457

<210> 23296

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B9

<400> 23296

tcggtgcgcac gaccgctgat tcgtcggcgg ccttgtctgc gccaccagca acgagtcgct 60
gggggatgcc ttcgactgct acggcgagat cctcgactcc aaggatcatca ccgaccggga 120
gacggcgagg tctcgcggtt tcggcttcgt taccttctcc tccgagaact ccatgctcga 180
cgctatcgag aacatgaacg gcaaggagct cgacggccgt aacatcaccg ttaaccaggc 240
ccagtcccgt ggcggtggct gcggcggcgg tggctacggc ggcggtcgct gcggcggtg 300
ctatggtggc gggcgccgtg acggcgggta tggcgggcgg ggcagctaca gcggtcggcg 360
cgaggggtgg ggcggcggtt acggaagcgg tggcagctac ggcggtccta gcgagggtcg 420
tggtggcggc tacggctgc 439

<210> 23297

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C1

<400> 23297

cggacgcgtg cgtgcgatga gagccttgtt cctcctggtc ctcttctgca tcgtgcatgg 60
tgagaaggaa gagtcaaagg gcatcgatgc gaaagcgtgc agtcctgggtg ggtccttcga 120
catcaccaag ttgggcgcct ccggcaatgg caagacagac agcactaagg ctgtgcatga 180
ggcatgggca tcggcgtgcg gcggcactgt gaagcagaca atcctcatac ccaaggggtga 240
cttacttgcc ggacaactca acttcacagg cccttgcaag ggcgacgtga ccatccagggt 300
agatggcaat ctgctggcga ccacggacct aagccagtac aaggaccatg gtgattggat 360
cgagattcta cgtgtggata acctgggtcat caccggcaag ggaaaccttg acgggcatgg 420
cccagccgtg tggagcaaga actcctgctc caagaagtac gac 463

<210> 23298
 <211> 371
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-C10

 <400> 23298

 cggacgcgtg ggccacatac tagtcgggggt aaacgatcga acgagcacag gcacgcacgc 60
 gggatggccc gcgctcttgc cctctccgcc ttactactcg tcgcctccgt cgacgaggct 120
 ttcgccgcgg aggccccggc agcatccccg aagcattcgg actccacgcc gtcaaaggca 180
 cccagcagtt cgcccgacaa gtctgataag gccctcacag cgtctgctga aaatgctgaa 240
 gatacaccaa aagcaacccc ggccaaggcc cgggcgacag cctccaagtc agagggtcaa 300
 cctctcgagg cacgcgactc ctggtgcagc gctgcgtcac ctactatcga gagcgccgcg 360
 tcagagaagg c 371

<210> 23299
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-C11

 <400> 23299

 cggacgcgtg ggcgacgcg tgggcggacg cgtgggcgga cgcgtggggg acgaacttag 60
 gaaggcaaag aagaaaatgg gggagcaaaa tatacaaaag gctgtgaagt ccgcaatgga 120
 tgctgcagaa gctgctcttt caggaaataa accgttttgt gttactcatg tggatgtggg 180
 tcttgatacc acggctgtcc gtgaggcggg tatcaaagtc atggaccaga agggtttgcc 240
 tataatgtta ttcagcaccg atgaggcatc aaacaaagcc gttatctatg ctggtgtgcc 300
 tcccaatgct cctagcggct tcaagggtgt ggactggcta acaccttcaa ttgcgccact 360
 caagggaaga ggcggtggcg gcaagaacgg cgtcgcccaa ggccaaggga gtgacgcttc 420
 tcagctcaag gaagcaatgg cacttgcgaa c 451

<210> 23300
 <211> 427

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-C12

 <400> 23300

 cacattcaag aacctactcg cctcctacat tgaccaacaa ctaagcctcc gtgaccgcca 60
 cgggtctatta ggtgcagcca tgggtgcctg tgcaacgaag cctaagacgc ttgaggggaa 120
 agccccagct gaggccacca tctccacacc caagggttgca cctgagacca ctgccatcca 180
 cattgaggtt gcggcgaaac aggcagtagt tgagaagggtg gaggaggaca aggaggaggc 240
 actaacagtg gcggcgaaac aagagccagc agccaccatc gagcctcaac agattgctgg 300
 tgaggtgacc acttcggaag tggcggtcgt cgttgtcgag cctgagaaca aagaggacga 360
 ggaagttgtg gagaagaccg tcatcgagaa agagaagcca tcagcagtcc atgaagagga 420
 aaatatac 427

<210> 23301
 <211> 459
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-C2

 <400> 23301

 cccacgcgtc cgcccacgcg ttcgcttgac tattcaggaa agtaaaaggc ttgcccgtga 60
 aaatgctaaa gatattatag catgtgggtt tgacattgaa agaacattca ttttctctga 120
 tttttctttt gttggagggtg ctttttatga aaacatgatg caagttgcca gatgtgtaac 180
 tatgaataag gctattggaa tatTTgggtt caatcttgag gatcacatag gaaagggttag 240
 ctttctctca gtgcaggcag tcccatcatt cccttcttca tttcccatc tcttgcgtgg 300
 caaggaccaa ctgcggtgtc ttatcccatg tgcaatagat caggatccat attttaggat 360
 gactcgtgat gttgtccta gaattgggtt tcagaaacca tcaactgattg aatctagatt 420
 ttttcttgct cttcaggggg agaacacaaa aatgtcagc 459

<210> 23302
 <211> 359
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-023-Q1-K1-C3

<400> 23302

acgcccactc gttcgtccac tcgttcggca tgtctgaggt gagcttntgc agggtcgcgt 60
tcctgctcga gtcgtgcgag gacgactact agatgcacct tgtcatggaa ctcttcaagg 120
gcagatagct atgagactac atgttagagc tgaagatgta ctacgtgcta gtgatgctgt 180
agctaagaca ctgaaattgt ttggccctta ctggataaaa aaccactcgt caatttcatt 240
atgttatcgc atagtagaag gggaattcac agaaagcaca taagcagact cacttatcag 300
accagactct ctaagtagag tgtctaagtc ttcaaaattt tcccttaaatt atttttttaa 359

<210> 23303
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C4

<400> 23303

gaagataaga gaacgagggg cagggcagcc agcgccgcta gctgaagcaa ggcagggcaa 60
gagaatccgt acgtcgaggt gcaggtcgta ggtaggatgg acgcggacca gcagggcgctg 120
gttgcgggcg cggtgaagcc ggcgctggcc aaggggacgc cgtcggcgctc gttccggctc 180
cgcaacggga gcctgaacgc ggtgcgcctt cgccgcgtgt tcgacctgtt cgaccgcaac 240
ggggactgcg agatcacctg ggacgagctg ggcgatgcgc tggatgcgct gggcctggac 300
gccgaccgtg ccgggctgtc cgtcacctgc ggcgcctacg tgcccactg cgccgcgggc 360
cttcgcttcg aggacttcga caagcttcac cgcgcgctcg gtgacgcctt cttcggcgca 420
ctgggaggcc aggacgacgc cacc 444

<210> 23304
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B12

<400> 23304

cccacgcgtc cggacaaaac atggatgtga atgtgagaac catgtggtcg tcgatgcggg 60
cgcaggttgc gatggctgtg gtgttggtgt tcttggtgag cggcgcatgg tgcggtcctc 120
ccaaagtccc ccaggcaag aacatcacgg ccacctatgg caaggactgg ctggacgcta 180
aagcgacatg gtatggcaag ccgacggttg cgggtcccga cgacaacggt ggtggctgcg 240
ggtacaagga cgtgaacaag ccccccttca atagcatggg cgcatgcggc aacatcccca 300
tcttcaagga tggctctgggt tgtgggtcct gcttcgagat caagtgcgat aagcctgtgg 360
agtgtctcgg caagcccggt gtgggtgcaca tcacggacat gaactatgag cctatcgagg 420
cgtaccactt cgatttagca ggcacggcgt t 451

<210> 23305
<211> 339
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-022-Q1-K1-H9
<400> 23305

aattgcaaca ccttaagtct catttaccct atatgtctct cacacacaca catggaggac 60
tcgtcaaata ttgacacaca agtggggcct tgtcttatat accattcgat cgtctatgat 120
ggtcaatact tacctactac tgcttccagc ttcttcgctc ttgtattgta agacctaaat 180
tgaaagtacc ggccgtgcaa ttacatcgta gcctctggaa atactccaga ctgaccaaac 240
ttacttgctt atcttcatat ccaccttta caacatgacc aattatcaaa tatgccattc 300
ctatttgacc tatccaagac tttcacagcc agtattgcc 339

<210> 23306
<211> 370
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-A1
<400> 23306

acgcggacgc gtgggcttgg cattcgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaggaaaa aaaaaaaaaa aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aaaaataaaa 120
caaaaaaaaa aaaaaaaaaa gaaacataca taacaatccc gctgacgaag tgaacctcgg 180

atgatatgga gagggaccaa gaacctttgt tacaccgaac aatggggccg tcgcaactac 240
gaatacgtct tgctcagctg cgactccatt cccgtttctca aaggactcac gcccgtcgag 300
tgctacaccg acttcatgcg cgcgtttcgc gaccacttcg tcgactacct tggcaacacc 360
atcgtggaaa 370

<210> 23307
<211> 434
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-023-Q1-K1-A10

<400> 23307

cccacgcgtc cgggcaagca caaagatggt ggactgaaaa ttacgagaag gtcattggagc 60
tggacaacgt tcagaagtct aacagtcaag ttgatcctct gccaaagcatt ccaaggtctg 120
acagtgagat ctccaaagac gataccccag ctacagcacc gcttaacaag gggcaattgc 180
tacgtacttc acccagacca ctaaaaggca gtgaagccat aggctattca tcttcggatt 240
gtcctcagca ccaatccagt catcttcgca acgtttaccg caaagaccgc taccttgggc 300
accagttctg tgatccagtt gaactggcat cgacgcctga gttatcaagc atcagtgggtg 360
cgaagacaga gacgtctatt ggtgcatcag tgaggacaag ctcatctnct gaagaagtcg 420
atggatcggg cgaa 434

<210> 23308
<211> 312
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-A11

<400> 23308

gcaaagcata agagatgata tggaatctgt tatctattag ctcatgaaat taataaacac 60
tggatctatt tacaagccag caccgaaact agacactcac aatcccaaata ataaataacc 120
tcaatcctac aaacatacta acacctcacc gagacactat gtaaatcata tccatcatat 180
cttactacat actcttctta aacatcatca ctacgacatc aaacataaat cagcatcatc 240
atatgccaat aaacccttcc gcgaccact tatcctcgac cgtaacaac tacattatcc 300

atttcactct ac

312

<210> 23309

<211> 443

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-023-Q1-K1-A12

<400> 23309

cggacgcgtg ggcggacgcg tgggcggacg cgtggggccc gagatccaac ggcgtctgat 60

ggggagcaag ctgcagcaac acctcggcac ctgacctggc catgcatgca cacgtatact 120

ataatctaac aacgtagctg acctgggcaa attgccagcc tgacaggggc cagggtgctc 180

gaatgtctca ctctcaccgc cgactaactt tccatcaaaa ttgattcttg ttcatactcc 240

atagcatgca cagattgatt gaactgctac ttgagattct tgtcattggg attagagaga 300

gagacagaga cagaacgatt ggcatagcat gcagaattgt ttggaagaag ctagcanagc 360

agttccttgt ttgtatcctc tgtaccagaa gatgagtttg atctaggatt aatccctgca 420

aggcaaggta aagtaaattc atg 443

<210> 23310

<211> 375

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-A2

<400> 23310

acggcagact ggccagggcg tggcggcagg cgtcaaggac acggtggcgg tcgcggcggg 60

tgtcgtcacg aacactgtgg cggtcgtggc ggcgggcgtc acgaacacgg tcacgggcgc 120

cgtggcgggc gtcacgaaca cggtgaccgg ctcggcggcg ggtgtcaagg acaccgtgac 180

ggcgggccac tgatcgacga cccaagaatg cttcatgcat ggccaagtgt tgagggtttg 240

aggccaaaga tggcttgaat ttccgtcctt tttttgcttt attttttgac attattgttt 300

taacatgttt cattcaccgc tctctgattg ggattgtgat cagaccgcc tgcaataaaa 360

aaggccatct ttact 375

<210> 23311
<211> 474
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-023-Q1-K1-A3

<400> 23311

acgcccacgc gttcgccac gcgccgaaa tgaagaaaat aaaaatagtt gcaagaaaat 60
ttcctcgctc caacatcagc tagatttatc atccaaggat caagaagctc agcaaaatat 120
tctttctcag atagaagaag tgaagaggga gaatatttta ctacaggcaa agaacacaga 180
aatggaacaa gagctcttaa aagctcaaaa atgtagccat gataatatgg acaagttgca 240
cgatgtggaa aagaactatg ttcattctcg ggataacttg aaaaacttag aggataagat 300
ctcaaattta gaagatgaga atcatttatt gagacagaag gccttgaatt tatctcctag 360
gcacagccga actgggagtt atcactgcgg ttcttcacca tgcagcccaa aatcattcgt 420
tgaatcttca cctgtgaaac ttgcacctnc cnctcataac cagacagaat caag 474

<210> 23312
<211> 454
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-023-Q1-K1-A4

<400> 23312

cacaggatta gttcaataag gaggagctgc tggagttcta cctgaagcag gcggcgcgcg 60
ggaggaagct caagttcgac atcatcccca cgggtgcacct gtaccggcac gacccttggg 120
agctgccgag cctggcgcg ctcgttggcg agcgcgagtg gtacttcttc gtgccccgcg 180
acggcgcgcg gcggcgggcc aagcagcagc ccggctccgg cggccggcct agccgcacca 240
cggagcgcg gttctggaag gccacggggt cggaccgcgc cgtgcggtgc gccgtcgacc 300
ccaagcgct catcgggctc aagaagacgc tcgtctacta cgagggccgc gcgcccggg 360
gcaccaagac ggactgggtc atgaacgagt accgtctncc cgacgctgcc gacgctagca 420
gcgacgcgc cgtgccgcat gtggacgtgg tgct 454

<210> 23313
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-A5

<400> 23313

```
catcgccgag cgcgacggcc cgggccggta caacttcgcg ggctacgcgg agctcatgga 60
gatggcgcg c aaggccgggc tcaaggtcca ggccgtcatg tccttccacc agtgccggcg 120
caacgtcggc gactccgtca gcatcccgct gccgcggtgg gccgcggagg agatggagag 180
ggaccaggac ctctgctaca ccgaccagtg gggccgccgc aactacgagt acgtctcgct 240
cggctgcgac gccatgcccg tcctcaaggg acgcacgccc gtcgagtgt acaccgactt 300
catgcgcgcg ttccgcgacc acttcgccga ctacctggc aacaccatcg tggaaatcca 360
agtcggcatg ggccccgccg gcgagctgcg ctaccgtcc taccggaga gcaacggcac 420
ctggaagttc ccaggcatcg gcgccttcca gtgcaacgac aggt 464
```

<210> 23314
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-A6

<400> 23314

```
cgccaccacc accgtcaccg ccatcgctcg cccggatcgt caacatggca gccgccctcc 60
gtgtctcat cgccgtctc gccgtcgtct cggctctctt ccggcgcgcc acggcgacta 120
cggccccac cgtcgtcgac gaggcgtgca agcagtacac caagtaccg gagctgtgcg 180
tcaagtcctt gtcgtccgcg gcgcggagg cgaaggcgaa ggcggagcgg ggcgggctgg 240
cggggctggc cgggctggcg ctggcgagg cggcgagtg cggtgccgag acggtggcgt 300
tcgtcaaggg cctggagaaa atgccgggg gcgtgccgcc cgtgtgcctg aacgagtgcg 360
tgccaagtt ccaggcgcg ctggtcgacc tgcagcggtc caaggtggcg gtgcagaagg 420
ccaaggacga ggccgtcgtc gacacgtggc tcacggc 457
```

<210> 23315

<211> 174
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-A7

 <400> 23315

 cccacgcgtc cgggtggaagt ggagagagtg gtgccagat cagcggggac tcgacaacgg 60
 tgggtggttc atgggaaacg gcggacagct agcgggcggt ccggtgatcg gtgtggccgg 120
 tggcccggat gagtcagtta gagagcgagc tttttttttt gatacggggg agtt 174

<210> 23316
 <211> 460
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-A8

 <400> 23316

 cgagggagcg cgtgggggga gagggcatgg tctctctcgt cccggcagtc ccgtctcaag 60
 caaaagctct ctctcttctt tccgctcagt gcaccaatca ctgcaacata ctggcctgag 120
 gtcattgagt tggtgaaagg gaaggagggg gtatcatggg catctcatcc aagtggatta 180
 aatccttggt tggcataagg aagcaagaaa aagcgcagaa tgcagaaaag caagaaaaag 240
 ggtggaacgc tgagagcagt gaaactagga gctctgctaa tcaatcactg cacaacgga 300
 aacattcttt ggatcccga gctgcacttg cagtcgaaga aattacagta caaagtgaag 360
 cattgactga taacaaaagc gcacaaatgg tttcaaattc atttttttca gacagtacac 420
 cgcttgatgt gcaaatttct caggctggac atcatagtaa 460

<210> 23317
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-A9

 <400> 23317

 ctgcaagggtg atcagcgtaa aaatgtcgct acttttctag tccaggccgg aatcgtgaaa 60
 agggatagca tcaagattca cggatttttag actgcaaatt tgaagtgcct gtgtgtgcct 120

atcatatgat accatgat accaggtatt gaagcttcgg aagcttggtg gccttcgtaa 180
catcagtagt cggtattcat ctgaatatgt gtcattatct catttgataa gactgggtatt 240
gatgcaagtt gtccttgacg tatgttttgt aagtgttacc tgcataaaag tatcggttct 300
ctgcggagct gtctgtact gatattgaat aacaagagag attgctgttt gtaattcgct 360
tatgaattat tatgatcttt cccagactt gagcttt 397

<210> 23318
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B1

<400> 23318

acgategccg tcgagacgct gccgcgcttc gccgcctcgt ccatgggtgt ccgcgacgac 60
aagaagtact cgcgcaagct gctgaacaag gcgaagctgc tgttcacgtt cgccaagagc 120
cacctgggca gctacgacgg cgagtgcctt ttctactgct cctactcggg ctacaacgac 180
gagctgctgt gggccgagac ctggctgtac ctggcgacta ggcggcaggt gtacgcggac 240
ttcatcgctc acgaggccat ctctctgagc gtggccgagt tcagctggga cctcaagttc 300
ccggcgcgcc atgtgctgct ggcgagttc aacatgacct cggcgggcgg cgcgcagaac 360
ttcaagtcgc atgcggacaa ctctgtgtgc gcggtgctgc cggacacggc gtttc 415

<210> 23319
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B10

<400> 23319

cccacgcgct cgcgaaaacc ctgcggcgca ggagcgctct ccgtcccaca cacgcgcgcc 60
ggggcctccg cagtccgcac ctgcctccac gacttgctgt gctcgtgcgc tactctctc 120
gagcgcggcg cggagcacgg ggacatcaaa tggcggcagc ggcggagatc ggtggtttcg 180
cggcgcgag agtggcggtg gcgacgtca cgccggtgc gcaccagcc ccggcggcgg 240
cgggtggcacc gcagcctagg agggcggtgg cggcgagtc gctgcagacg accgccaccg 300

aggcgctgac ggcggatctc gccggcacga ccaacggcgc tgtgcatgct cggatgaata 360
gtaaggcttc acgtgaaatc acttcac 387

<210> 23320
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B11

<400> 23320

cgcacgcgtg cgcaaaagcc ctccgaccgt ctaacgctct acatcgtata catgcgcccg 60
agagcctccg gaactgtgac cgcggctgca catactatgc agctcctgca ctacactcct 120
atagcgcggc gcggagcacg ctgacatgaa atcagagccg aagcaggaca ctgggctgta 180
tgtggttgcc agagtggctg tcgcgacgat gaggacacct gtgcacatac ttaatgcagc 240
gtaggagtca ccgcaggcta agaacgcggt agcagctaata tcagttgata cgaacaacac 300
cttggcccag tgcgagctag tcatcgggag catgctacgc agtcaactca caaccttgaa 360
taatgacgtg acaga 375

<210> 23321
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-H11

<400> 23321

atttgaaaca gttaagaatt catatataag agtgcataata tatatatata attctgccaa 60
gacaaaggta atggagtcgt cacgcatgtt ccagccggcc atcatcctgc ttctcctgct 120
cattgtgacc accgatgtgg cgcagtcggc gagggaatgc gagaaggaca gcgagcgatt 180
ccttggggca tgcagtcggt cagacaactg cgccaacgtg tgccgcggtg agggcttctc 240
cggcggcatg tgcagcacct tccgccgccg ctgcatctgc actaagccgt gctaaattaa 300
cctactcccg gcagttcgat ggtggacgtt tattctatct attggcttac ttgattcttt 360
gtcccctaac aatacgataa cgcacgtgct gacatgtacg ttgtgtggca tatgcttttc 420

<210> 23322

<211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-B11

 <400> 23322

 cggacgcgtg ggctcccaac cattcgtcca tatccccctc ccaacaaaaa aaaggggaaa 60
 acgccccatca atggcgatct gaatcaacca aggcattctgg aagcttggac atggagcgga 120
 tcctcaagtc ctccaggagg tggggtccc tgaacctctc caatcgctcc ctccaggaga 180
 tacccaagga ggtgtacaac aacttggaca ctggcagcca ggatgagaaa tgggtgggagg 240
 gagtggacct ccaaaagctc attctggctc acaataatct tgagggtgta agagaagacc 300
 ttaggaactt gtcttcgctt gctgttctaa atataagtca caacaagata tcttcccttc 360
 cagcagctat cggagatctc ccgttgctaa catcactgga catatctttc aatcaaataa 420
 acacttctgc c 431

<210> 23323
 <211> 278
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-B12

 <400> 23323

 cccacgcgtc cggacactga atcactgata catcatacat gcatgcatgg gatgcgatga 60
 cgatttgatg catgcatgca tgggtatacc taccaatttg atgaccgacg atgtatagtt 120
 tcgtcgactg cttcatacac atatatagca gcccaattaa tgtaacgtta cgcaaagtct 180
 tatttgcgag gtatgacatt acctctacaa tgctatagca cataatagca gttgctaagc 240
 cacgggttcg cagataatca tcatgcatgc gtgcacat 278

<210> 23324
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-B9

 <400> 23324

cccacgcgtc cgcggacgcg tgggctgcag tcattctctc caccaccacc accaggetca 60
 tggacagcca gctcgcgaaa ataatagaaga gccggagcat ggcattcatcg gccgcgctct 120
 tgggtgctagc cctcgcgcta gtggcggaca ccgccccaca tgtagcggat gcacagagaa 180
 gagagcggcg gagagcggcg agggcggcga ggccaagaag atccaggacg acttctgctc 240
 gacgctgtgc gagggcaaga aggggacgga cctggctctg tgcaatgagt cctgcgctct 300
 ctaccagcag tccaacctgg tgctgtactg catgatccag tgcattgggca agtgcaccga 360
 gcagaatggc atcacggcgc cggcatgaat gtctgccagg aggagtgcga caaggcgtac 420
 g 421

<210> 23325
 <211> 320
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-022-Q1-K1-C10
 <400> 23325

cccacgcata cgttcatata cattttgcat ttctaccca ggcagaccac acagggactc 60
 agcgctagaa gtcgatcgcg taaagtcata ccagaatcaa cactccaact gctcatcgag 120
 tcgatggaga tcaacgtcgc tgcctcacgg ccatgatata cgaaactccc cccgatccgt 180
 ctccagaagc atgcgccagc gtcactgcaa ctcgagcagg ctgtcgccag cgctgcgact 240
 ggagcaccgt ccacagtgtg gggagactgg agggcgccta tcccgtctct gtcgccgatc 300
 gtcattgtcg ccatggttcc 320

<210> 23326
 <211> 283
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-022-Q1-K1-C11
 <400> 23326

tcccactctt tcgtccactc gtccttctc cctttttttt tttttctttt ttttgggtgt 60
 tcggtttttt ttttttctt ttttttttt atcctttttt ttttttctcc aaatacataa 120
 cccttatata tgaaacctta tgccccgtgt tcaaaaactt atttttacgc acgtctcttt 180

aaacaagctt tctgctacat ccagccttat ccgctagttc ttccacttcg aaccctcata 240
tattgccctt cttgaccatt tcttttcttt tttcaccttc cac 283

<210> 23327
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-C12

<400> 23327

agctcaagga cagccacgag gaggacatct gccaggtggt gctggtggcc agcccgcgca 60
aggactgcga cgaggccag gcgctcaggg accgcgccgg cgtcctgctc accaggaacg 120
ttggcatctc cgacagcctg cgccccgcca acccgctagg ctacttcaag gacgtgccgc 180
tccccgtctg cgccgcgctg ctcaagcagc tggactcgga cgacgacgac gaccagtaaa 240
ctataccacg gcggcgctgc ggacatgctg cacaaaacta caacgatata gagcgaacgc 300
atggcatgga tagcagtatc tacggaaaga aaaggaagaa aaggaaaata aaaaatgtat 360
cagagtgcctt gattcacttg ctgctgtcac ccattccccg ttcttaacat aacatgtggg 420
ccggcttggc ccatgcacaa gcccatc 447

<210> 23328
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-C9

<400> 23328

ttgaagcccg gcacgccgtc agttttccgt ttcacttcca gcccatgcca tgcgggtcct 60
ggcccgaac ctcgagcgat tcatgccaga tccggccatg ctcgacacat gatgacttac 120
ccgccggcgc cgatggctgc tctctcacgc caagcacacc agacaccatc gccgaccact 180
aaggtgaaac ctccgacact gtcactgtaa ctggatcacg ctcgtcgaca gctgccggac 240
tgaatgcacc gctcaaggcc tatctgatcg cgctgtttct cttcctcatc ttctcgaagc 300
tctgcatgca gccattcct cc 322

<210> 23329

<211> 316
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-022-Q1-K1-D11

 <400> 23329

 cccactcgtc cgggcaaggg acgtaagaag tatttttnaga ttatagagcc gttgggtttta 60
 gaggatttca aaagattgct gtgtcaaggg atgacaaact ctgatcagac acatgataga 120
 caaagaattg aggacccacg tggctttgct atgttggctt ggacatgtct agagcgtagt 180
 gttctcgcta tcatttgctc attttgtgat aaactcttga agcaatatgt cgtcgctttc 240
 cctgaaatta atgatgaggt ggtctacagc tcccttgaat tcctcatcct tgctcgttat 300
 ggactctggg atgttt 316

<210> 23330
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-D12

 <400> 23330

 agctcacgga cagccacgag gaggacatct ttcaggtggt gctgggtggcc agcgggctca 60
 gggactgcga cgaggtccag ggcgtcaggg accgcgccgg cgctcctgctc accaggaacg 120
 ttggcatctc cgacagcctg cgccccgcca acccgctagg ctacttcaag gacgtgccgc 180
 tccccgtctg cgccgcgctg ctcaagcagc tggactcgga cgacgacgac gaccagtaaa 240
 ctataccacg gcggcgctgc ggacatgctg cacaaaaacta caacgataca gagcgaacgc 300
 atggcatgga tagcagtatc tacggaaaga aaaggaagaa aaggaaaata aaaaatgtat 360
 cagagtgctt gattcacttg ctgctgtcac ccattccccg ttcttaacat aacatgtggg 420
 ccggcttggc ccaggcacia gcccatc 447

<210> 23331
 <211> 278
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-D9

<400> 23331

gatccacgt ctccgcgccc cctcaccgga tcagctcgag gaagcgggtgg gtccagatgc 60

cgtccatgtt caaggaaggg gccagcgacg gctgcatgtc tgagtcggtg atccgcaagg 120

tcctgggtctc gtacatgtac gtggctgtgt gaatcttcct ctgatacttc gagatcgtct 180

acatcaagtt cattctcgac cccttgatgt tcaactggcc cttccgcate ttgctcacca 240

tggctcacat ggacttgtgc tcctccctag cegtggct 278

<210> 23332

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-E11

<400> 23332

cccacgcgtc cgccaccgca caccatctgg gaaaccgatc gagcgagcga ccatggcccc 60

tgtcttcacc ctcaccgtct tcctcgctgt catcgctcc gctgtcgtgt cgttcgctgc 120

ggatgaggca ccggtgcct cgccaaagca ttcggcctcc acaccgtcaa aggcacccag 180

cacgtcgccc gacaagtctg agaaggcccc cacggcgtcg tctgaggatg gtgctggctac 240

ccccgctaag gccccagett ccgcggcctc caactcagag gcgtcacctt ccgaggcacc 300

tacctccggg tctgagttcg gtgcgcctc acctaacgag agcgctgcgt cagaagaggc 360

ccctacaagt gccccgagg actcatcacc ggccagccct tccacgtccc cgtcggaggc 420

tgaggctgca gtatc 435

<210> 23333

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-E9

<400> 23333

gaaataaagg ccaacatata ggcgagggag agcttctcgc cggggcgttc gtcggccata 60

tgcactgttc atctccttcc tctcagtgtt ctctgctttc taggggtgtga gcgctctttc 120

ttgagtgaga gggccaaca tttggtacca gagctaggat ggagacgccg ccggcaaagg 180

atggcctcaa gatgttcgac ggcattgggt cgacgagtgc cgcgatggag cgcgtcatca 240
acagcagctc cgttgagctc cgcgtgctga ccaaggcgaa ttaccacgag tgggcgttgg 300
ttatgcaggt ctgcgtggag gcgatggaac tgtgggacgc ggtggaggcc gtgtgcaagg 360
agcgtcccaa ggatcggcgg gcaatggccg ccatcctgcg cggagtgcgc cggagatga 420
aggcgggtgct cgccgtgaag a 441

<210> 23334
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-F11

<400> 23334
cccacgcgtc cgcccacgcg tccgttacgt gtcgcgcgcg atgcagcacg agcccagagt 60
ggggtacgag gtgctgaagc agaggaccga ctgcgccacg gccgtcgccc tcgcccgggc 120
cttcggcgca atgccttacc tgggtgttca ccccgaggcc gccgtgatgt cggcgggcga 180
gagcagcgac tcggagcggg cggtcgcccg ctccgccgag gaggaagact atgaggagtg 240
ggagtcatg cgcggggtca ccgtctgatg acgtgcccag ccgcccgcgc cggagtgaag 300
caaggcgagt ccgtcgccag gaagtgttca gtggccggcc ggcgttggtt tacataataa 360
cccctaccgt ccggtgttgt atcgagtcac ggtcgtagtc gtcagggtgc tcgtcgtcgc 420
cggaagtgtt tggcgccacc 440

<210> 23335
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-F9

<400> 23335
tcgttcacgc gttcggccac tcgtccgtag acgttcaacg acggtgggga cacgccggtg 60
cacgtgtgcg cccgccatct acgactaggc catgtttctt caatagatcc gtcgtcgtgg 120
gctactacaa taaccgagtt aagcggaag tcgcagtcaa agttcttggg ttgcctgca 180
ttcacatctg aatcgagtac atgtgcatac acgcgtacca accttggtt cctgtactgg 240

gtatgtatcc aaagccctta aatcttgctc tgaggccaat gagaatgcta caactatgat 300
 atttatctat ggtccatgac tataagaaaa aaacaatgaa cgagctaggg gatgtggaag 360
 agcttgtgtc tatgatgacc aatgtgacac ctaggggtca aaaggaccta ctgatatcat 420
 tgt 423

<210> 23336
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-G11

<400> 23336

gccgccaccg cggcgaacta cgcgtcggtg tggtcgcca agcgcccat gcagcgcgct 60
 ggccgcgctt tccgtcgag caggtcgcg ccccgctca ggacgggtaa ggacctcgcc 120
 gaggaacggg cctcagtgt cgcgccagc agcaaggtct ctgatgaggg ggcggctgcg 180
 gctaccgcgg tgcgtctgc aggtgccaag acctccagca gcaacgatgc ccgcgacggc 240
 gccatgggca gcgtgcatga cgagccgcgg cagcagcgcc acgatgacta tcaccccgag 300
 atcgtccccc agaagatcat acacgaggac gcgttgccgg tcgttgctgc ggagaaggag 360
 actgccgtcg ccgtcgcaac ctccaatgaa gaggaggagg tggagtcgcc caagaaagga 420
 gcggctctgt cgcgggtgcc ggatgctatc c 451

<210> 23337
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-G9

<400> 23337

gctacgcgtg gcttctcctg caatttggat ccaaggcatc ctctctagac gcttggactc 60
 ggggccgtta tggtgatcg tctctgagga gctattccct aactgaagca gattcattat 120
 cacactctct cctgtcgggc attggtgact ctgccgacgg ccatgattat agactcgtaa 180
 agagcttaca atgtgtctcc agtaatccca ctacgtaagc tactgatcaa cgatcgagca 240
 tccgatgcat gccttcacat ggtgcatgag agctatctta catgcgtcaa cgattgtaca 300

aatgatcctt caaagacatt tggatcacca taggacatct cttatgcaact gatcacgatc 360
 ttagaaatag aactgtcaac tagtcaatct ggcgaatgca tagccttcac aatgatgatc 420
 aacattcgct atatgcatcg a 441

<210> 23338
 <211> 448
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-022-Q1-K1-B10
 <400> 23338

gccgcttttg gttgggggtt aagcgcgtgt aagggaggcc ggaggcgacg acgacggcgc 60
 cggcgctcgga gaagaagaag cagacaactc tcgtatatgt cttcttgccc cttttccgat 120
 ctggtggtcg tagcgctcat catcgccgtc gtcgcctgca tcctccgcgc cctcgcttgc 180
 tctggccgat ctatgcgcaa ggggctcaac ggctggaaca aatcctagtc gatgctcagg 240
 gacgggttcg ggggtgaagta ttccggattc ctgcacataa ggccgtgcgg cttctgtaga 300
 ggagattgac ggattcggcc gatttgcgct cgtctccgtc attgtttttt tgcacccaga 360
 gtttcttggt tgtctttaga agttttcccc ccatagtttt ggcaatcttg gcgacatggt 420
 ttggagttct ccccgctcgga agagatag 448

<210> 23339
 <211> 212
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-021-Q1-K1-G4
 <400> 23339

acgcgctaca gggcgacccat ctacctgcca tctcctttca cgccacgtat cctagaccac 60
 ggacaggggc accttttcac tgacgctgta catatccata taagacatca accctttacg 120
 aagcatcgca tacctcaaac tcacactcaa cctcaccaac atacacctca agcactga 180
 ccgacctcga cacactcata cttaccgatc tc 212

<210> 23340
 <211> 410

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G5

 <400> 23340

 gcaggagcaa acaatgaaca caagtcagat caaaggaaaa ggcaatatga ccttatcgaa 60
 ggtcctccga aaaggttaag aaaaggatgt ttacatatcc aaagcagtga tgatgatgtc 120
 caagagaact aaagatgggt gtttaaaaca ccaaatttgc ttgcttctca cacgctatct 180
 tttgcaaact ttagcctaata cgcgtgtaaa gcatatttgc ttgataaagt cccctgaact 240
 ttcttttggat gcaaacaaga tctccatgct gaatcaaaca tggtagataa aagggcataat 300
 ctctatagtt ctgacatgcc accttttgcg gtctctagga ccaatatttt ggtgcctcaa 360
 caaatatgta tgtatgacta atttgttatc aactgcgctt agttcacaaa 410

<210> 23341
 <211> 247
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G6

 <400> 23341

 ggtggtcacc gcgcggccac ccatggggct cacgcatcac gtcgagaagg ccatcgacgc 60
 gggcaccttt gagcagatgc tcgacatcac cgtcaaggac tggcccgtcg aggaggcgct 120
 cggctacgcc aagctcgcgc tcaagtgcac ggagatgcgg cggagggacc ggccggacct 180
 cgccacagtc atactgccgg agtcaaccg gttaaggaac ctcggccacg cgtacgaggc 240
 acgcatg 247

<210> 23342
 <211> 381
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G7

 <400> 23342

 cccacgcgtc cgcaagcatt gaagccgtat ctcggcgctc ccggacgaga caggttgagg 60
 cggggcggtg atggccgacg gtgaccttga ggtgctcagc gtgctcgaca ccgggaagac 120

tcaatggtac caattttaccg ccatagtggg cggcgggcatg gggttcttaa ccgacgccta 180
cgacctcttc tgcattctccc tcggtactaa acttcttga cgtatgtact acaccgtaga 240
agggtacgag acgcccggga gcctaccgtc gaacgtgtcc gagtgcgtca acggataggc 300
cttactgggc aacgcttcat ggcagatggt attcggctgg ctgttcgaca agctcgggct 360
catgaatgtc tatggcatga c 381

<210> 23343
<211> 261
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-G8

<400> 23343
gcaaggcgtg gcggcgggtg cggcgggcgtt tcaagccggg ccggcactcg acaaggacgg 60
gggtcccggag tgggtgcccg acggtgagcg cagggtgctc aaggcgggcg gcttcaagaa 120
cacactcacg ccaaacgtgg tgggtggcgaa ggacggcagc ggcaagttca agaccatcaa 180
cgaggcgctc ttcgccatgc cgaataccta cgacgaaga tacgtgatcc aagtgaagga 240
aggggtgtac gacgagtacg t 261

<210> 23344
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-G9

<400> 23344
cggacgcgtg ggcggtcacc ggccggggag ggctcagaaa cctttcatcc aatacatata 60
tgtatctgag ccttttcccg cgggtaggcc cgaccggagt ccacacacac acacacacgg 120
tgtcgatggc ggccgtaata aggagccgcc gcgtgtccgt tgtcttctac gtcgtcctcg 180
ccgcagctgc agccgcggcg caggcatcca ataacgtcac ctccgacgag gattactggg 240
cggagcgcg cagaggtggct cggtcgcgca acctcgccgc ctacgtcagc gaccccgctg 300
ccgccacgaa ccgcttcaac gcggacgtgc tgagggccac gacgcggtg gcgctggcga 360
ggtacgatgg cccgtgcatg gcgaccaacc ccatcgaccg gtgctggcgc 410

<210> 23345
 <211> 347
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H1

 <400> 23345

ggtgctccgg cccgacgcgc accatgggag gaagcagtta cagcacgagg tggaggtgct 60
 cagctgcgtt cgccacccga acatggtgct cctcctcagc gcgtgccccg agtacggctg 120
 cctcgtgtac gagtacatgg agcacggtag cctcgaggac cggctgttcc gtcggggcgg 180
 gacgccgccg atccccgtggg cgcaacgggt cccgatcgcg gcggatatcg cgacggcgct 240
 ggtgctcctg caccagacaa agccggagcc gctggtgcac cgggacctga agccggacaa 300
 cattctgctg gaccgcaact acgtgagcat gatcagcgac gtctgac 347

<210> 23346
 <211> 267
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-H11

 <400> 23346

cggacgcgtg ggcggggcgt gatctacagc tacaaggccg ccgctagcgg gttcgccgtc 60
 aagctcacgc cggtcangt cgccgcgttg cagagtgagc tccataattc accggttaat 120
 tctcccgtgc tcttgctaat ttactttttt gcgatgcttg cctgatttcc tgtgcaaact 180
 catggcgatt tccccgtgtg ctcttgtttg ttggcctggc cagagcattc tgacattgtg 240
 caagcgctgt ctgacatgaa gttcacc 267

<210> 23347
 <211> 312
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H2

 <400> 23347

aaaaaacaga aggaaatcat tgagttgtgg catgaatgca atgtatctat agtacacaga 60
 acatatttct tcctcctctt taggggggaca ctgctcacia tattcacttg gaactgggtgc 120
 atagtatact attccacatt ccacgggtatc ctagaggacc atctgatgct tatgctactg 180
 acacctccga tctcataagc acttcgaatg cctatcacag cggatatcgc cacatctcta 240
 ctgcacctgc tccagacaaa accggaacct ttggtacacc atgacctaaa gcccgccaac 300
 attctgctgg ac 312

<210> 23348
 <211> 365
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-H3
 <400> 23348

cggacgcgtg ggcggacgcg tgggcgccga tcgccctccg ctcgctccac cgcggcgggc 60
 gatcgctcat ctccccctaa cctgccccgc tcgcgattcc cgaggcgagg tgccaccac 120
 cgcagatttc ttccgacgga cggttggctc gtcaccccc tacttgcgtg atcggatcgc 180
 gtgctgcccg aggtggaact ttataatttt gttgcgtggt ttcataatga aattagggaa 240
 tgcctatggt gaaaaaaatg tanaggatgat gataaggcat aggtgtttga cttagcctgc 300
 cttagctatt tctttgaagc taaggaaaat aataatgggg gtatggcctt taaaaataag 360
 gggtg 365

<210> 23349
 <211> 165
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-H5
 <400> 23349

cacctctgag actcctcctt cacaggccgg cgtcgctcgt ggteggagag atggggcaac 60
 aacgcacgtt ggtgtatagc ttcgtggcgc gaggcacat cgtcctagcg gaccatgctg 120
 aggtctccgg caactttgcc tccgttgctg cacaatgcct acaga 165

<210> 23350
 <211> 298
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H7

 <400> 23350

 cccacgcgtc cgtccacgcg ttcgggtgct tagctgcatc cgacacccta acatggggct 60
 ggtactccgc gcatgcccg agtacggctg tctcgtgtac gagtacatgg accacggcag 120
 actctaggac cggctgctac gtctggggcg caccgagacg ctgcggtggg cccagcgggt 180
 ccggatcgcg gccgagatcg cgacggcgct gctgatcctg caccaaacta agcctgagcc 240
 gatggtgcac cgcgacctga agccggacaa catcctgctg gaccgcatct acgtgagc 298

<210> 23351
 <211> 193
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H8

 <400> 23351

 cgcttgcaca ccttgcgctc cgtctcccct ctctctctgt cacacacaca cacacacacg 60
 cgtcatgtcg ggacgggagg ggaggggagg tctagtgcgc gtacggattt cctatcctag 120
 ccgcacgacg cgtgcgcggg cccggatcga cgatggccaa tgcacgcagg ccgccgctgg 180
 cctgcgtcga gcg 193

<210> 23352
 <211> 337
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H9

 <400> 23352

 cccacgcttc cgaagaactt ggattcagat atagaagttc ctaaagctat acggcttgtc 60
 catccataat gtcgcttaa cctggatgcc tatgaatgat acacagcaga tcaagcaatt 120
 gacgttctag atagacttaa cgatatggga gtgtaccctg ttgctatttt agcatccata 180
 tcacagagac gattgggaag gtcacgcaga tgtcagctct gtggccattg aaaaatacaa 240

atgcgttggt gctgctgatg agagctgtca taatatggtc gatgctcatg acataataca 300
 cgggaatatt gcccatgtta ttaacatcaa gctggct 337

<210> 23353
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-A10

<400> 23353

cccacgcgtc cgggtgcccc gaggtgctgt tccaaccatc ccttgttggc atggaatcgc 60
 ctggcgctcca tgaggccacg tacaactcca tcatgaagtg tgatgttgat atcaggaagg 120
 atttgtatgg taacgttgctc ctcaagtggg gatctaccat gttccctggg attgccgatc 180
 gtatgagcaa ggagatcacg tccctggctc ctagcagcat gaaggttaaa gtgattgcgc 240
 cacctgaaag gaagtacagt gtctggatcg gtggctctat tttggcttct ctcagcactt 300
 ttcagcagat gtggatctcc aaggagagt atgacgaaac tgggccgggc attgtccaca 360
 tgaagtgctt ctaagttttt ttgggaaatt tttccaaaaa aaaaaaagaa gtttctgggg 420
 aagtctgaca tggtagctca tgcgttaccg g 451

<210> 23354
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-A11

<400> 23354

agccactatc tgctacacca gtggcactac tggcacacca aaggagctg tacttgctca 60
 tgagaactta attgcaaagt tagcagggc aagtttaggc attaagtttt acccctctga 120
 tgtgtacatc tcgtatctac ctttggctca catctatgag agagctaacc aggttgcat 180
 gcttcactat ggtgttgcca ttggattcta ccaaggggat aacttgaagc tgatggatga 240
 tttggctggt ctgagaccaa caatattcgc aagtgttccc cggttatata acaaaattta 300
 tgctgcaatt acgaatgctg tgaagcagtc tgggggggtg agagaaaggc tgtatcatac 360
 tgcatacaat gccaaagcgc atgcatgat aaatggtaga aaccatcac ctatgtggga 420

c

421

<210> 23355
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-G11

<400> 23355

cataagctgc cgtcaaccct tctttgactg tgtcaagatc cgatcgccat cgacttcgca 60
cgtacattga ggctctcaac accagtctct gtcagatgca gagccagagg cattgactgc 120
tgccatgtgt cctcaaactt tgttcagggt gagggacggg agacttgtgc aatatttttt 180
catttgtaaa tatatttggt ggccaagat aggacatgta agatgtcaga aatttggaac 240
taggcagagc agcgaaaatc tattataact cgaccagact actattatga tatggaatta 300
ggaggaggtg acgtgttaag ttcattctgc gtgaattcag gcagaagctt gaaaacgaaa 360
tgaccaatca tggtcacttg tggaaatgta aactacttcg tagattctct attagtactc 420
tattccggtc ttttt 435

<210> 23356
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-A12

<400> 23356

atccagtatc tgctacacca gtggtactac tttcacacca caggagctg tacttgctca 60
tggttaactta attgcatatg taccacggcc acgtttacgc attaatgttt accactctga 120
tctgcacatc tcacatctac ctttggctca catctatcat agagctaacc accttacatc 180
gcttgactat ggagctgcc tggattcta ccaccgggat aactcgaatc tgaatcacta 240
tctctctgtt ataagaccaa caacatacgc acgtgtatca cgcattatat tacaaccttc 300
atgctgcagt tgcaaagtgt gttcagcaat ctgctcgatt gagataaacg ctgtatcatc 360
ctgaatacaa tgccacgga catgccatga taaatcatag aatccacata cctatatggg 420
aca 423

<210> 23357
 <211> 420
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-022-Q1-K1-A9

 <400> 23357

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcact ccctcgctcc gtctaccagt 60
 acgaccacgt ccctcctcgt cgacgatctc gtagcggcgg cgcacatggc gagcgacggc 120
 gcggcgggcta cgccagcgaa gggtaccca aagaaggcca atctcctcga cccgcactcc 180
 atcaagcacc ttctcgacga gaccatctnc gaggtcgtga agagtaaggg ctacaccgag 240
 gacacgcggc tgggcaactg gaagctgggg atcggagccg tcgtgattgc tgtcgccctn 300
 ctcgctcagt tttaccccaa gaagttcccg cagaaccgcg atttcctcct tggctgcac 360
 gccctgtatg tgggtgctgaa tgtggtgctg ctgaccta gctacaccaa ggagaaggat 420

<210> 23358
 <211> 454
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E1

 <400> 23358

cttgcacgta cgagctcaga aggaaggcag aggcaaaagc agccatggcg aactcgtcgt 60
 ccggccttgc ggtgaacgac gagtgcgaag tgaagtccg ggagctgaag tcgcggcgga 120
 gcttcgggtt catcgtgttc aggatcgacg acacggacat ggagatcaag gtggaccgcc 180
 tcggcggacc gaaccagggc tacggcgact tcaccgacag cctccccgcc aacgagtgcc 240
 gctacgcgat ctacgacctc gacttcacca ccatcgagaa ctgccagaag agcaagatct 300
 tcttcttctc ctgggtccct gacactgcac gcaccaggag caagatgctg tacgccagct 360
 ccaaggacag gttcaagagg gagcttgacg gcatccagtg cgagatccag gccaccgacc 420
 ccagcgagat gagcctcgac atcgtcagga gccg 454

<210> 23359

<211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E10

 <400> 23359

 tcgcccactc gtccgcccac tcgttcgcac caactaatta aaatgaccac gaaggatgtt 60
 ggcgagcgcc gtccgcggtcg gacccctacat tggccgcccgg tctggcctcg ggaggagAAC 120
 gtgagatcac ggagccagga gggcgaaga tgtgatgtgg aatggctagt attgctctcc 180
 agcgatcacc atggccgccc tgccgcactc cgtcatggcc agtaatatcc gtactgcaat 240
 ttacgtcttt gcctctctat atgtattgct accatagaat ctaggttgcc atgcacctac 300
 attctacatt 310

<210> 23360
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E11

 <400> 23360

 ggaacttgta gcattgcaag agcagatagg cgatgtcaat actggtttga cagaaagcta 60
 tgtccaggaa aacttgaggt ccagttttca tgtccaggga gcagctagca tgtctgatca 120
 gttttctgag ctttctttgg agaatgatgc ttgcataata tgccaggagg agtataaagc 180
 taaagaactt ataggaaccc ttgaatgcgg tcacaagtac catgtgaact gcataaagca 240
 atggttgatg atgaaaaacc tgtgccccat atgcaagacg acagctttgt catcagatag 300
 aaggaacgga tgaccgtcgc caataatgtt gttggttggt taccgcgtgg caaattagcg 360
 tggattttgt atatagacat ggttgccctt atttgcccggt cccctttgct gtggacataa 420
 actgagcttc gaaacact 438

<210> 23361
 <211> 365
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E2

<400> 23361

agcacctcct cttccccgc cgggcaacaa ctcagccgcc gcaaccgcca catcagccat 60

gggcgcctgc gcaaccaagc ccaagacgct tgaggggag gcccagctg aggccgccgt 120

ctccacaccc aaggttgccg ccgaggccac tccaatctcc gttgaggttg cggctgatga 180

acaggtagct gagaaggtgg tggaggagga gccggctgcg gctgccgacg ttgagcatca 240

gaaggctaata gaggtgctcg ctccagaggc ggccgtcgcc gagcccgacc acaaggagga 300

ggaagccgtg gagaagaccg tcgtctagga ggagaagcca gcggcagcag cccatgcaga 360

ggaaa 365

<210> 23362

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-E3

<400> 23362

ctcacgcgtc cggacccacg cgttcgcgaa tggcggttact ttacctagac catgacatgg 60

gggttattgc gataaacatc cgagagacgc actggtatct tgctgtgatc catgcaagaa 120

atatgcagat actagtgtc gagacacttg atacttcaca agaccgtaaa gacctcactg 180

actctattaa aggtctgcaa tggcaaattg atatgatata tcaacgtacg gagttataag 240

actacacgtg gtcagac 257

<210> 23363

<211> 209

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-E4

<400> 23363

cccacgcgtc cgccaaaaca tagagtgtcg tcttttctat tgggtgtgatt gggggcacta 60

gatacctaac acattgcact cagactacat atactgtgtt tgctgggagc atgccgtatg 120

cgtgtgtgag cttgcgcata ttggacatct aggccgtgcg tatectgcga tgaaaggcgc 180

cgtcacgggc gcatcgaccg tgctgggtcg 209

<210> 23364
 <211> 243
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E5

 <400> 23364

 ccacgcgttc gtcacatcta gcgttggttt tggagctcgt gcaaaatacc tggggattag 60
 gtcagttata aaaatagcca aggtgactgc tgtgcacact taaatcgtgg cgcaccttcc 120
 gagtcatggc gttcacgcat ctacaaccgc gacacttcag actaacgtgg acagccttgg 180
 ccgaactaac catcgatacc gcaattttac cgacagtcta atcctaaacg agtgccgtta 240
 ccc 243

<210> 23365
 <211> 326
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E6

 <400> 23365

 cccacgcgtg cgtcgactcg cgggtcgagt ttcggcacat gctggtgcac ctgaggacgg 60
 ggcagatcac gctgaacaac gtgctgaaca tgatgctcat caacctgtac atggaccact 120
 ccaacgcgct gatccgcgac ttgaaccggg actacaagct gcactagcgg atcgacacgc 180
 acagcgactg cgacctggcg tccatcctcg cgtgcatcaa ccaactggatc atccacatgt 240
 gcatgtacag cttgatcgac gggctgatcg actcgacgaa cattaccacg tccaacaccg 300
 agttcaacag ccactacaac gacgat 326

<210> 23366
 <211> 454
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E7

 <400> 23366

 gcgcgccatc actccactcg atcgaccgcc ttcgtgtccg tgccctacag ctggtgatga 60

gggcccgccc aaccatggcg gcggcggcgc ccgtgcgcgc ctgggtggtg gcgctggcgc 120
 tgggtgctggc gtgcgcgctg ctccagccgc ggccgtccga cgccgcggcg cagcccggcc 180
 cgcagtcgcc ggcgacggcg gtgtcgtcgg gcgcccga gccaagtgc gtggccggcg 240
 ccaggaacga ccacgcgtgc cgcgtcggcg ccgtgcacga cccggacagc caggaggagg 300
 agggctccag cgtcaccatc gacgcgcccg tcgcccgcgc cgacgacgtc ggccacgacg 360
 acggcagcga ctacaacgac cccgacgtgc ccaacaacga ccagctcgtc gtcgtcggcc 420
 actgaaagct gccgcgcgcg cgcgcgcgcc gacc 454

<210> 23367
 <211> 393
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-E8
 <400> 23367

ggggtggtgat gccggtaacc gtgagaatta catcaacgag ctcatcaaaa ggatgagatt 60
 aggttcacga ccaagctcat tgtgttctaa gaaactttct gtgctctccc aattttacat 120
 tattaggaag tggatgaata tgcattgcagt tttgttgttt ggaactagat gtgtatggaa 180
 gaaatatgat cttttttccc ggaggttttag aattatatat ttagggctag tttggaaact 240
 tcattttcca agggatttct attttgcta ggaaaaatga actgggcttc ccaaactagc 300
 ccatgatgca tttcccatcc tgtgtatcgg gcctttttct ctgtccaaga cgctctntct 360
 gaagtacgat cttgatttaa atccatgatg gat 393

<210> 23368
 <211> 157
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-021-Q1-K1-E9
 <400> 23368

tcccactcgt ccggcttgac tctctcgtgc ttttaccat ccgtcgtcta gcatgactca 60
 tgggagattg gcctgactac agcaatgacg gtgcagtctc atgatcacca ccaccaccac 120
 cacctcgagt tccctttcct cgtcagcttc tgctctc 157

<210> 23369
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F11

<400> 23369

```

cccacgcgtc cggggcaacc cctacgtcgt cttaccccc gcgtctgccg caccgtccac   60
ctgccagacc gtcaggaagg cgctgggccg ctacggcaag ctgctcgagg acggaacccg  120
caaggccgcc gacgccaccg gcaacatctg gcaccacctc cggacggcgc cgaacatggc  180
ggacgcggcg gtggcgcggc tgacgcaggg gaccaaggtg tacgcggagg gcggccacga  240
caggggtgttc taccagacgt tcggcgccat gcccggggag cagctccgca aggcctacgc  300
ctgctacctc tccacctcct cgggccccgt catcggcacg ctctacctct ccacggcgcg  360
cctcgcttcc tgcagcgaca gcccgctctg ctaccagggc cctgcgggcc agccgcatga  420
gtgcatgtac tac                                                    433
  
```

<210> 23370
 <211> 349
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F2

<400> 23370

```

ctcgtctggc gttgcctgct gcggattgct ccagggcggc cgcactcact ccgctgttga   60
gatttcgttt ggttctactt tccgtcttgt ccgtcgccga ggcttcttcc ccctcgcttg  120
ccaactgcag caagcagatc agatccatcc aaccactaac aggaaggcag gaagcctgat  180
gggctgggct gaagttgaac catgagtgcc gtcacggttt cgtcgtcgct gaaccggaac  240
gcgccgatct tcaccccggc ggcgctgctg cacgtggagg acttctcgcc gtagtggtga  300
gacctcatca gcaccacctg ctgttccgcy accactgata ccgcgagca                349
  
```

<210> 23371
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F3

<400> 23371

cggacgcgtg ggggcggccg gaccgggccc tgtacacgct gttccggccc gaggagaacg 60
cgcgggcgat gcagcggcgc gccgagcgca tgtgcatgcc ggcgcccgtc gtggagcagt 120
tcgtccacgc cgtcaggcag acagtcctcg ccaacaggcg ctgggtgccg ccgcagggga 180
agggagccct gtaccttcgg cctctgctcg tggggagcgg cccgatcctt gggctggctc 240
cggccccga gtacaccttc ctcatctacg ccgcaccggt tgggaactac ttcaaggagg 300
gcctggcgcc catcaacctg gtggtgcatg acgagttcca ccgcgcgatg 350

<210> 23372

<211> 252

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-F5

<400> 23372

cccacgcgtc cgcccacgcg tccgcggacg cgtgggcggc gcgtccagac cgcgacggca 60
ttggcatgag gggaggagga gccggagaga agctccacca caaggaggcc aatgccgcgc 120
acggcgccgg cgccggcgcc gcggggaagg gggccaaggc ttgtttcgtc aacggcctcc 180
tcctctacgt cgtcctgccg gtgctgggtc tgtacttcgt catcatcgcc gnetcgcagt 240
tctacaaccc tc 252

<210> 23373

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F6

<400> 23373

gaactgagcc cagcgctagc tgctgccggg gcgcgccgtc gtcgccgagc cggtcgggtc 60
ggtctgggtc ggtctgcctg cctgccaggc cacgcagcct ggctccaccg atcgcacacc 120
atacattgac gtcgtcgtcg cggccgtacg tgccgttggc cgggtggagga ggcggtggcg 180

ctacgacagt atatatatac acaattacac atacacaccc caaaaagaaa agaaaaaac 240
 tactgccatt gctgtcggtg tgcgtagctt ctctctatat atatacccggt atttaaattc 300
 tcgacaaaat ttgtttgacc acggtgatct gtcatatatg tgcgtccattg atttgtgtta 360
 atttgacata agacgttgaa aagaagcttg actactctac tgtgc 405

<210> 23374
 <211> 396
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-D9

<400> 23374
 cccacgcgtc cgatggctgg ttcgtggatg gcggtgccac aacctctcct gctgtcgctg 60
 ctggtcgccc tgctagcggg ggccgccgat gtcgccaacg ccggccacgc caagccccta 120
 acgcctggcg ggcgcgtggt acacgacaac cacggcaagt tcacggccgg gccgtggaaa 180
 cccgcccacg caaccttcta cggcgggcgt gacgggtccg gcaccacggc gggcgcgctgc 240
 ggggtacaagg acacgcgcac gcaggggtac ggcgtgcaga cgggtggccgt gagcactgtg 300
 ctgttcgggtg actgcgcggc ctgcggaggg tgctacgagg tgcgggtgcgt ggacagccct 360
 agcgggtgca agcccgcgc ggcagcgcgt gtggtg 396

<210> 23375
 <211> 267
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F7

<400> 23375
 ctgggcttct tcgtcgtaac cggcggtccc tgctagtgcc tgccgttgaa ctctccggcc 60
 ggcattgatc cgacctcccc taagccatcg atgagtagag aaaaacagtg aacgccacct 120
 ctgtactcgc cccaccttat ggcgcgtcgc tcctgcagta ccggcccacg ctctgcgcgg 180
 cgctcaagtg ttacgggtgc cctcaaatec gtcgtcggac cattggcact ggggcaagcc 240
 aaagcacgga caggtgctcg gcgtgct 267

<210> 23376

<211> 226
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-F8

 <400> 23376

 gagcgcggtg tgcggtcac cttcatcaac tcggagtccg tgcaccacca gatcggcgcc 60
 ggcgggcgaca tcttcgccgg cgtgcgcgcg cgggggggag agacgacgac ggaggagctg 120
 gacgtgcggt acgagctggt gagcgacggc ttcccgctgg gcttcgaccg gtcgctgaac 180
 cagcaccagt tcatggaggg cgtcctgcac gtgctcccgg cccacg 226

<210> 23377
 <211> 387
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-F9

 <400> 23377

 cccactcggt ctctcctgcg cagcgcaaca ttacacgct aaggctggcc gactacatcc 60
 tggaacaggt cctgtaacta ctacgtacca tctgcattgc atgtccacga ctatagcttc 120
 tagtttagac tttcaatcat actatcatca aagcaaaggc cttcctgccg gcgtatttgc 180
 tttgactctt gtacttcacg ccattagata tctagcactt gggtcactctt cttaattagt 240
 tcgctttgct tttgaggttg attataccat tttgatgcag cgtgaactgc atgcatggac 300
 atgcaacgct ccaatggcct ttgtaaagt aaatgtttat cccattatc tgcatttttc 360
 ctatcaaaaa tgaactgggt ctcatat 387

<210> 23378
 <211> 254
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-C2

 <400> 23378

 cccacgcgtc cgccatcatc tggatatag tctcatcaac aggggcatgt ccactatcca 60
 ggctatgttc atcacagtgg tgtcagtgt cctgggtttc ttctgcaacc tattctctga 120

tgagctggat ggactatgta acatatcgga ttacaaatct atccaatata actatgccgg 180
 tttctgtact aaaacctctg agtgtcctag ctatgtgaac ctgggcgcac tcctcatttg 240
 gcctaattggc gtat 254

<210> 23379
 <211> 454
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-C3

<400> 23379

cggacgcgtg ggcaagaatt gccaacatat tcttggacaa tcttgtaaac agagttttta 60
 ggtttcccag cagagaagag cgctgcaac caccacattc atataattaa taagcaagg 120
 ttagagaaga ggcaacatgg gcacaaagat gaagaagggg atcctgaagc cgttccgcta 180
 tatctcaacc atcatggatg gtaaggaggc tgaaatgcaa attgggttcc cgacggatgt 240
 aaaacacgtg gcacacatcg gttgggatgg tcctggctcc accaacaaca ataacaaca 300
 cagcaacaac aatagtggcg gagcacctag ctggatgaag gattaccact cggcaccgct 360
 tgactcgtcc tcttttagga gtgagagntg gggcacggct gctgcaaata cctgggcttc 420
 tcaagagata gtcattgatg ggagcaagcg tcga 454

<210> 23380
 <211> 291
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C4

<400> 23380

cgacaagatg gcgtgcacaa acaatgcgat tagagccttg ttctcctcctg tcctcttctg 60
 cgtcgtgcat ggtgagaagg aagagtcaaa gggcatcgat gcgaaagcgt ccgggccttg 120
 tgggtccttc gacatcacca agttgggcgc ctccggcaat gtgcatgaca gacagcacgt 180
 atgctgagca cgaagcatgt gcatcggcgt tcggcatgca ctgggaagca gacaatgctg 240
 ataccaaacg gtgacttact tgtctgacat ctcaacttct caagcccttg c 291

<210> 23381
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-C5

 <400> 23381

 cccacgcgta cgtccacgcg tccgtttaat tacaggteat agctaagcat gtctcgcagg 60
 atgtcgtggc agacatactt cgatcagcac attcttatcg agatcgagcg ccagttatag 120
 accaggcctc atatactcag acattacgaa accgatcctg aaaacacttc gctatatctc 180
 aaccattatg gatagtaaag aggctgaaat gcgaattgcg ttcacgaccg atgtttaaca 240
 cgtggcacac atatdddgtg atatdddgtg ctctacctac aacactatca ccaacatcga 300
 catcaatatt ggcggagcac c 321

<210> 23382
 <211> 255
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-C6

 <400> 23382

 tcactgctaa catatcagtt ccaattdatc tttagcacgg ccaataagct caaatcggcc 60
 gggattactt catatacatg ccaaaaattc aaccattcaa aatcatactt caatcatatg 120
 catattcaat caactaatta acccatgaca acaatataca agtcttataa ataataatgc 180
 caacattaat cgatagatta ctgatcatat catttctact ttgcttacat ttttatctct 240
 aatcttctct aattt 255

<210> 23383
 <211> 345
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-C7

 <400> 23383

 ctcccgttct tggggggcaa tcgcgaatcg cgctcctcgc ggtagcggtc gattagccgg 60
 gtccgcccag atccgcccgc gctgcgctcc agttccctgt cgcgataccc tggatttcgt 120

ccgtggcgag tggctaccgc ttgtgctcct tttgtgacag ctgaatcttt gtggttcgaa 180
ggcgattgac ttgggttcac tgacgcggtg acgccaatg agtcccacg tctccacatc 240
gcgggggtctt catcccccaa gcaagcttgg gacgttggac tcacccggtg cgtggcagcc 300
gccagcacct atggctcagc ccgaagcatg ccgcggtgat gacca 345

<210> 23384
<211> 365
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-021-Q1-K1-C8

<400> 23384

cccacgcgtc cgcgcagtga gtttctgcag aagctagcca ggcagacgag agagcgagtc 60
accgcgagaa ggggatcgcg gaaagtgaga gcagaatcaa caatccacct gctcatcgag 120
tcgatggaga tgaaggttgc tgcctcacgg ccaggatgca agaaacgccc cccgagccgt 180
ctccagaagc atgcgccagc gtcgctgcaa ctggagcagg ctgtcgccag tgcggggacg 240
ggagcaccgt ccgcggtgtg ggggtgacggg agggcgccga tcccgtcct gtcgccgctc 300
gtcgtgtcgc ccatggtgcc ggtctgggag gcggaccaga cggggggcgc caggaaggan 360
ggagg 365

<210> 23385
<211> 408
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-021-Q1-K1-C9

<400> 23385

agcgcgtgca accaccacat tcataataatt aataagcaag gtttagagaa gaggcaacat 60
gggcacaaag atgaagaagg ggatcctgaa gccgttccgc tataatctcaa ccatcatgga 120
tggttaaggag gctgaaatgc aaattgggtt cccgacggat gtaaaacacg tggcacacat 180
cggttgggat ggtcctggct ccaccaacaa caataacaac aacagcaaca acaatagtgg 240
cggagcacct agctggatga aggattacca ctgggcaccg cttgactcgt cctcttttag 300

gagtgagagt gggggcacgg ctgctgcaaa tccctgggct tctcaagaga tagtcatgga 360
 tggagcaagc gtcggagaaa cctncttcag ggacacgaaa agcgaggc 408

<210> 23386
 <211> 453
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-D1

<400> 23386

caactatctc gccgcatctg gacacagact gacatggaac atgtgagggg aagtgccgct 60
 cgtgtcataa aattggtaga acatctggag aaggggcaag ccatcaagga aatgtttggg 120
 ttaagcttca cattgaacca acgagctatc cgaagacctt tcagctgggt tagtgctaac 180
 tcctaaagca agcatcgaga caaattatga ttatgatggt tgatagttgc atgggacaac 240
 aaacaatgcc atgatgaaat acatagtaga ggagacctct tgtcagtcac ccatacgagc 300
 attgattttc actgatgccc ctgtatatnt cgtatcactt attatgtaga tgtacatgtg 360
 atggattttg cattgtggaa ctgttaaaat gaaccgacat gagatgcaa atctttgcac 420
 canacagtat gatgtattgg tgatctgatt ttt 453

<210> 23387
 <211> 333
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-D10

<400> 23387

ggcgtgatca tcgcccccat cctcgtgatg atcccgatga tcatttaccg gaagcggctc 60
 cgggtcaacc tcgcactcct ggcgtcttcc accgtctgca tcagcttcgc cgaggggcta 120
 acctgtgtca ctgcgaacgt acaagacatc ctggacgcgg tcacggtcgg gccgtgtaaa 180
 cccgtccacg caaccttcta cggcggtcgt gacggatcct acaccaccgc ggtcgcgtgc 240
 ggctacaagg aactcgcac gcacgggtac tgtctgcata ctgtggccgt gagcactgtg 300
 cttgtcggcg actgctcggc ctgcgtaggg tgc 333

<210> 23388
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-D11

 <400> 23388

 aacagctatt attgtaggtg accgtttgct tgttgcaaat gttggagatt ctagagccgt 60
 tatttctaaa ggaggacaag cgattgcggt ttcaagggat cacaaacctg atcagacaga 120
 tgagagacaa agaattgagg acgcaggggg ctttgttatg tgggctggga catggcgagt 180
 ggggtggtgtt cttgctgtct ctcgcgcatt tggtgataaa ctcttgaagc agtatgttgt 240
 cgctgaccct gaaatcaagg aggaggtggt cgacagctcc cttgaattcc tcacacctgc 300
 tagtgatgga ctctgggatg ttgtcactaa tgaggaagct gttgccatgg tcaagcctat 360
 tcaggacccc caggaagcag caaacaagct tctcgaagaa gcgtcccgaa ggggaagctc 420
 tgataacatc accgttgtca tcgt 444

<210> 23389
 <211> 454
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-D12

 <400> 23389

 accacgctgc cgatcctcgt caagggagtg ctcaccgctg aagacacgag gcttgcggtg 60
 gcgaacggcg cggcggggat catcgtgtcg aaccacggcg cgcggcagct ggactacgtg 120
 ccggcgacca tcagcgcgct ggaggaggtc gtgaaggccg cccggggcca gctccccgtg 180
 ttctgcgacg gtggcgctcg ccgcggcacc gacgtcttca aggcgctcgc gctcggcgcc 240
 gccggcgat tcgtcgggag gccggtggtg ttctccctgg cggcggcggg cgaggccggc 300
 gtgtccaacg tctgcgcat gctgcgggac gagttcgagc tcaccatggc gctcagcggc 360
 tgcacctncc tcgccgaaat caccgcgaag cacatcatca ccgagtccga caagctcagc 420
 gccatcccgt cgcgcttgta gatgaggcaa aatc 454

<210> 23390
 <211> 357
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-D2

<400> 23390

tcttatacat cggcagacgc gtacgcagac tcttgggcag aatacgtctt gctgctcgtc 60
 cgaagatggc ctcatcttct tggttccttg tgactatctc tacggtttgt gcgcgcacgc 120
 atatgtatctt gcattattcc tgatagcatc tattcgctgg ccagatgatt agagagctga 180
 aaatatatta agaacaatac catagagaga agttcctcag tgctctcgca gcttaaggag 240
 caaacagcga cactttactt cgttttttat actttattat agccgcacta gttattactc 300
 gggctacatt tgtgaacagc gactgtaata tttntctact ctatatcgt agtgcca 357

<210> 23391
 <211> 315
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-D3

<400> 23391

caaatacatc caccatcct tacacagact ttcatttaac acatgaggca aagctcctag 60
 cggcacgtac aatttgacta acatcctgat aactatcaag acattacgta cacgcacgca 120
 ttaaccttca cattaaccca actagctatc ataagaccat ataactatca tacgagctaa 180
 ctactaatgc aagcctttac acaaactatt aatatgatca ctacattctt acatcataca 240
 acaaacattc ccatgataaa atacatagca tactagacta cactacaacc actgatacaa 300
 tcactctactt tcact 315

<210> 23392
 <211> 358
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-D4

<400> 23392

cgcttggcct gggctggccg cctccgacca tcgtacgtcc tccaccgctg cgccgcccgc 60
 gggcctgtgc ccagcccggg ctgcctgcga gggcttctga tggccctcga cgccgtcctt 120
 tcttcctagt gccagcttt attgcagatc cagccctctg atcctcgtct tctttcacct 180
 ctccaacatg aaggtaaca ccaagatcaa gctggagccg gtcattggcg cgctcgtcgc 240
 cctgcccggg agcgcagcg agctaccga cccgacgtca ccgttcagct ccaacacggc 300
 gcaccacca gtctacgtgc ccaccacacc taggttgctc ttatcgggct cgctcgttc 358

<210> 23393

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C12

<400> 23393

accatcttca ctgcacattt caagacgggtg cgttaaagca cgctccacta cagacttatt 60
 cggcgtcgtg ctggttccta agagcttggg ttccacatcc gggaacatcc tcctcgttat 120
 aactctcata cgggtacgtc cgcttacgat catgcgagct accacgggtca cacttgcgta 180
 ctcggtatga aagctcgatc aacttgaacg ggtattcgca tctgccaacc ttgtgggttc 240
 acctaggcac tctgtgatgt atg 263

<210> 23394

<211> 296

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-D6

<400> 23394

cccacgcgtc cgggggggca aggccagtct taagctcacg ccgcccgcgt catcgtggac 60
 ggcgacagct ccgacctgac gacgaccaag ctgcagcagc tccgagccta tctgcagcac 120
 ctgcagctgg aaaaggaaag tcgcaccaag aagggtggcg aactcgtggc tcagctgcac 180
 tcgtcatcct tggctctcgg catggatccc acagaggcga acagtgtcat ccatgttagc 240
 gccgaacgct cgcattgtga gccggcgac atataccacc gctccatata agtgct 296

<210> 23395

<211> 224
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-D7

 <400> 23395

 accacgcgtc ctcgcgtca cagtttgcct ttagctcac gccactact accttgca 60
 cggacacttc tcccaccgga ccactacata cctcaacgac ctactaacct atctgcaaca 120
 catgcagatg aaaaaggtag gttgcaccaa catggtcgcc gatctctcgg ctaatctgca 180
 cttgtcatcc ttggttttcg acatgcatcc cacagaggct aaca 224

<210> 23396
 <211> 352
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A4

 <400> 23396

 cccacgcgtc cgcccacgag tccgggagga gctgaaagct actgtacaag gtgtcctcaa 60
 gtgttgctca cactatTTTT gcttcgcatg catcatggaa tggcttaggg ttgagtcgag 120
 atgcccattg tgcaagcagc gggtcactac aatcaccaag tcatcgaagg tagatcttgg 180
 tcttgattg agaagagctg taatcaaggc cgaagagcgt gatcagggtt atcagcccac 240
 tgaagaagaa ataaggcgta ggctagacc atatgaaaat gttgcttgta tagagtgcag 300
 tcaaagtggc gacgatacta tcatgctact atgtgacatt agtgattcct ca 352

<210> 23397
 <211> 292
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A5

 <400> 23397

 cacgcatacg agaccgctgc catcaatcac ttgttcaagt ttgggttcca tgacaacatt 60
 acgtggctga gctaactctc caaactgacc aagcttcacc acgagaacat cgctacatca 120
 ttatctacta cgccgacgga aaccatcgga ctcttgctta cgattccgtg ccttgccgca 180

ccttagaaca tcacctgctc gatctaccgg cagacaagaa accaatagac tcgtgcacta 240
 tgatcaaagt ggctcacggc gcaacacatg agctacagta cctgcacgag ac 292

<210> 23398
 <211> 432
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-A6

<400> 23398

ataaagcatc gatcacgaca agatggcatg cacaacaat gcgatgagag ccttggtcct 60
 gctggtcctc ttctgcatcg tgcattggtga gaaggaagag tcaaagggca tcgatgcgaa 120
 agcgtccggg cctggtgggt ccttcgacat caccaagttg ggcgcctccg gcaatggcaa 180
 gacagacagc acgaaggctg tgcaggaggc atgggcatcg gcgtgcggcg gcactgggaa 240
 gcagacaatc ctcatacca agggcgactt ccttgctcga caactcaact tcacaggccc 300
 ttgcaagggc gacgtgacca tccagggtga tggcaatctg ctggcgacca cggacctaa 360
 ccagtacaag gaccatggnt aatggatcga gattctacgc gtggataacc tggatcatc 420
 cggcaaggga aa 432

<210> 23399
 <211> 426
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-A7

<400> 23399

agaccgtggc catcaagcag ctggacaagc atgggttcca ggacaacatg gcgttcctga 60
 gcggggtcgc caagctgagc aagctccacc acgagaacct cgtcgacatc attggctact 120
 gcgccgacgg agaccagcgg ctgctggtgt acgagtcctg gcccgccggc accttagaag 180
 accacctgtt cgatctgccg gcggacaaga aaccgatgga ctggtgcacg aggatgaaag 240
 tggcgcacgg cggggcaciaa gggctggagt acctgcacga gacagcgaac ccgccggtgg 300
 tgtacgggga gttcaagggc ctccacatac ttctcgacga gaggtccacg cncaagctct 360

ccgacttcgg gctcgcgcag ctcgccagg cggggggcag catgccagtg gcgtcgccca 420
tgatgg 426

<210> 23400
<211> 187
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-A8

<400> 23400

ataccgcgtc catcaagcag ctgttcaagc ttcgattcca ggacaacatg gcgttggtga 60
gggggggtctc caatctgagc aagctccacc acaagaacct tgtccacatc attggctact 120
gcgccgacgg agaccaacgg cttctggcat accaatcctt gcccgccagc accttagaag 180
aacacct 187

<210> 23401
<211> 449
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-021-Q1-K1-B1

<400> 23401

gtcagaaaat agtgggatcg agttgtttca ctgcacgagc acatcctccg gcgaccaccg 60
ggctccgtct ccgtcctcta gcgaccgacc aacgcgccga gcgaagatgt cgcggcagac 120
gtacgtggac gagcacctga tgtgcgagat cgagggccac cacctcacgt cggcggccat 180
cgtcggccac gacggcgcca cctggggtca gagcaccgag tccccgagt tcaagcccga 240
ggagatggct gccatcatga aagatttcga cgagccgggg cacctcgccc cgaccggcct 300
gatcctggga ggcaccaagt acatggtcat ccaaggcgaa cctggagctg tcatccgtgg 360
caagaaagga tccgggggca tcaactgtgaa gaaaacaggg cagtcactca tcattggcat 420
ctacgacgag cccatgactn ccgggcagt 449

<210> 23402
<211> 199
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B10

<400> 23402

ggaagacttt gacgaggagc ctgatgaata gtctatacat aaaagcacct acgatctcac 60
cgagatcgag gatcaagact tgggtgaaagc ccagaatata aacgacaacg tagtcgatta 120
tagctagact cgctacatct catggcgcgga aatgacacga cattgttaaa cacatagctc 180
accaacgtta tatgaagct 199

<210> 23403

<211> 451

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-B11

<400> 23403

cccacgcgtc cggtaagtcc tcgaccatcc ctgcaaatta ccgcgatggc tcccaagatc 60
cgagtcatcc ttgtgttctt cgccgtggcc tcaccggctg ctctggccgc cttcgatgtg 120
atagagatgc tggccgacaa gccacgtac tccacgttcc tgaagctcct gcaggacacc 180
aaggtcgcgg ggcaggcgaa tcagctccgg tcggcgacgc tactggctgt ccccgacaaa 240
cttgccaagc ctctggcgtc gctgcccgcc gataaggtgc ggccggcggt ggagaaccac 300
gtccttctca gttacttcga ccccatcaag ctggacgaga tgaagacacg caccgtcatc 360
ctnccccagc tgctctccgt caccgacaag aaactcggcg tcctcaacta caccagggcc 420
gacgacgggc agatgtactt cggcgcttcc g 451

<210> 23404

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B12

<400> 23404

ctctcgcagg cgcagctccc gcctaggcgc ctaacacctc acggccaccg ccgtcgcggc 60
ctgaacactc cgcagcgtat ccgcctcccg ccgcggcttc gtctctttcg ttccctcgtc 120

cgccgcccga tccgcgcgtcc tccgcccgcct cccgtccgcc gccaccgagg ccgatgacac 180
 cgaaagcccg gctccacatc caccgcccac cgaagaatcc ctctccccgc agcccgccgc 240
 ggatgcggcg gagacgaagc ctgaggccag cgagtcggcc atgtcgaggg tgtacgacgc 300
 gacggtcctc ggggagccag aggcgttggc aggggacgcg cggggggcggg tgtgggagaa 360
 gctggcggtc gcgaggggtgg tgtacctcgg cgaggccgag ctccaacccg accccgacga 420
 ccgtgtggtc gagctcgaga tcgtcagggg cctcgcgg 458

<210> 23405
 <211> 317
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B2

<400> 23405
 gaggcgcggg ccaggagcca gcgctacgtc ttaccgaaac atgtgcctcc cgaataaggg 60
 cgaacgctgt cacacaatct atagccatgc actggacatc taacgatatc atcgacctct 120
 ccttgctgaa tgtcgacagc aatttcggca tcaggaacgt ctatctctga tacgcatcag 180
 catgtaccct tgcattgtct gacatagcac acaatgtcgt cgagaccaac gggatatcac 240
 tagtcgagat tgacaaggat ctaattcgaa cagattgatg actatgccta gtcatactga 300
 ctcgccaagg acactat 317

<210> 23406
 <211> 336
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B4

<400> 23406
 cgatcacgac aagatggcgt gcacagacaa tgcgatgaga gccttggtcc tcctggtcct 60
 ggtctgcacg gtgcatggtg agaaggaaga gtcaaagggc atcgatgcga aagcgtccgg 120
 gcctgggtggg ttcttcgaca tcaccaagtt gggcgcctcc ggcaatggca agacagacag 180
 cacgaaggct gtgcaggagg catgggcacg ggcgtgcggc ggcactggga agcagacaat 240
 cctcataccc aagggcgact tccttgctcg acaactcaac ttcacaggcc cttgcaaggg 300

cgacgtgacc atccaggtgg atggcaatct gctggc 336

<210> 23407
<211> 338
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B6

<400> 23407

ggaagaagga atggatatgg atggatggat aggaagtggc cgccatatgg gcatgggcca 60
aaccaaacca aatcaattgg tgggtttgta tctgtccagc ggcccatatg tagacttcca 120
ccagaccaag tccgtctgat tccgcggatc atgcttacia ttaattaatt ggtcttgggg 180
ccaagaagaa taagaagaag attaatgggc cttcttgaag ctttgggcca actagcccaa 240
cgtacataaa agatgaagaa gatgaacatg catgctcagc aaggctttct tctgtgggtg 300
gtagctgtcg aagaacacgt gctgcgagac gttgtcgc 338

<210> 23408
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B7

<400> 23408

gagcgcgagc tcttaaacgg ggcacgccc cgtgcgcgcc cgaccgctt gcccgcgct 60
cggacgcgtc ccgatgcgcc tgcgccggcc ggaaaacccc tactagtcct agggctcgcc 120
tcgccgccct gatggggggc eggccggggt atctcaccct gccgatcttt tccgtggtcg 180
cggcgatcgg gtacgtctac tacaccacgg tgttcgtggc cgtgccgcgg tggctggacc 240
tgtccacggc tgcgggggta gccaacgccg acgcgttcac agcgctagca gctgcctgcc 300
tcgccaccta cgcgctcgcc gttcgcaggg accccggggc ggtgcccccg ggttttgtgc 360
ccgacgtcga ggacgccgag agcactgtcc acgagatcaa gcgcaagggt ggtgacttga 420
gatattgcca gaaatgttgc cactata 447

<210> 23409
<211> 384
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-B8

<400> 23409

caaatttcac gaagatctta gaattccatc ttcaatattt gttaagtgtg atgttagtaa 60

tgcagataat cttgctgctt gttttgagaa gcatgtacag acatacaatg gactagatat 120

ctgcatcaac tgtgctggaa ttgctaataa aacactagtt tatgatgata catctgatgg 180

aactagaaca tggaggcatg ctgttaatgt gaaccttggt gctgtcattg atgggtactcg 240

cattgcaagt caaataatgc gaaaccaaaa gaagcccggt gtcataataa acattgggttc 300

agcggcaggt cttttatccta tgttcctcga tcccgtatat agtgccggcaa aaggggggtgt 360

ggntatgttt acaagatcac tttc 384

<210> 23410

<211> 177

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B9

<400> 23410

caccacgacc agatattctt ctccgacaat tctatgataa ccttggttact actaatccta 60

gaatacatgg aacattgtta gaaggaatag tcaaaagcca tagatacgaa agcgtcctca 120

cctgttgat ctatccacat cactaagtgc agcacctgcg acaatggcaa cacagac 177

<210> 23411

<211> 421

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-A3

<400> 23411

gaagaagggc ctectgtctc ctctcacttc ctcaagtctc gtccgtctct gctccctcct 60

ggctctacct agctagctag ccagccttcc tgtagcgcgg cagagatggc tgcccttgca 120

tccaccacgg cggcgggcggc ggcggcgctg ctgcttctgc tcgtgtcgct cgccgcggcg 180

gcggacatgt cgatcgtgtc ctacggggag cgcagcgacg aggaggcgcg gcggatgtac 240
gcggagtgga tggcgggcgca cggncggacc tacaacgccg tcggcgagga ggagcgggcg 300
taccaggtgt tccgggacaa cctccgtac atcgacgcgc acaacgccgn cgnccagcgcg 360
ggcgtccact ccttccgcct cggcctcaac cgcttcgcgc acctcaccaa cgacgagtac 420
c 421

<210> 23412
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C10

<400> 23412

ctgccatcct ctccaacacg aagatggcgt tcatcagcaa tgtcgcagtg aaggcgggcg 60
cgggtggcgc gctgctgctg gtcgcagcgg tgtgcctgc cgcgcgcgct gcggcggtgg 120
cgggtggcggg agggcgccg tcggtgccgg cgggtccgct ggacatcgcg cagctgggcg 180
ccaagggcga cggcaagtcg gacagcacc cgatgatcct caaggcgtgg aagaacgcgt 240
gcgaggcgac ggggggtacag aagatcgtca tcccgcggg caactacctg acgggcgggc 300
tggagctgaa gggcccctgc aagtcctaca tcatcatccg tctcgacggc aacctgctcg 360
gcaccggcga cctcagcgcg taccaaagga actggatcga gatcgagaac gtcgagaacc 420
tgtccatcaa cggtcacggc accatcgacg ggc 453

<210> 23413
<211> 431
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-021-Q1-K1-C11

<400> 23413

cagaaataaa aatcgccgtg gaggcgagtc gccgcgggca ctgcccggca cggccttctt 60
cggcgggcgaa ggcggagctc gttacgggga ttccacatcc gttaatcggc cccaccggat 120
ccctcgccgc ctcccacggg ccgggcccgc ccgtggcgcg cgcgcaggcc gagatgcgga 180
agaggatgga gagcgtcgac gatctgatcg aggaggcaaa actgctgcacc gtctggtggg 240

cgctctgcat cttegcgcgtc tectacttcc tcacgcgtga gcacgtcccc ttctgtccct 300
ctctgcttcc gtgcctcatt tgcgaccgaa ttggttttgc ggctcgtgtg ggccgcgaga 360
aggacggggcc ggggcataaa tctgggtcga ggagacctgg ttacgcgtgg gctgcctang 420
ggatgtggcg t 431

<210> 23414
<211> 298
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-G4
<400> 23414

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgccgag atgatctgta 60
gagactgagc cttcctttga tggttaccac atatgaatat gaggagaagc tatgcactgc 120
tttaactggt acagtggatg caaaagatgg cacaactact gtagtatctg ccaaggacag 180
ggcataaaca gtcatgactc tagcattttc ggactctaata cctgaggatc tcaaccggcc 240
tgggtcatatt ttatctttga aatacacata tagtggtgat atgaaacagt ctggacac 298

<210> 23415
<211> 182
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-G5
<400> 23415

cactttatgc ttacaaggat ctttcttctc caatggatac cctacataag tgcgatatgt 60
gtgacatacc acgctggagt tgcaactgat gatgccgctc gatgacttga cctcaaattcc 120
attaaaacag gttgcaactc tgaattctca cattaaatcg atatgcatat tcacccaaat 180
tg 182

<210> 23416
<211> 429
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-G6

<400> 23416

gcaagaacga gaaggacgcg tcgaacccgc ccatgtacaa cgtggaggcc ggcaagacgt 60

gccggttcg cgtgtgcaac gtgggcatca aggcgtcctt caacatccgc atccaggacc 120

acatcatgaa gctggtggag atggaggggt cccacaccat gcagaacgac tacgactcgc 180

tggacctcca catcgggcag tgccctgtcgt tcttggtgac cgcggaccag aagcccggcg 240

actacctgct ggtggcgctc acccggttca tcaaggagaa gagcagcacc acggccgtga 300

tccgctacaa gggctccagc gccccgcgc cggccaagct gccggagggc cccagcgggt 360

gggcgtggtc catcaaccag tgcaagtctt tccgctggaa cctgacggcc agcgcggcgc 420

gggccaacc 429

<210> 23417

<211> 70

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G8

<400> 23417

aaaagacata cataaacaaa aaaaaataaa atcaaaaaaa aaataaaaaa aaaaaaacat 60

ggggcgctcgt 70

<210> 23418

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G9

<400> 23418

agatggcgctg cacaaacaat gcgatgagag ccttggtcct tetggacctc ttatggatcg 60

tgcatggtga gaaggaagag tcaaagggca tcgatgcgaa agcgtccgga cctggtgggt 120

gcttctacat caccaagttg ggcgcctgcg gcaatggcaa gacagacagc acgaaggctg 180

tgcatgaggc atgggcatcg gcgtgcggcg gcaactggaa gcagacaatc ctcatacca 240

agggtgactt ccttgctcaga caactcaact tcacaggcca tagcatgggc gacgtgacca 300

tacatgtgga tggcaatctg ctggcgacca cggacctaaa ctagtacaag gaccatggtc 360

attggatcga gattctacgt gtggat

386

<210> 23419

<211> 278

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H1

<400> 23419

atcggagact cggagccggc aaaaccctaa ggggaagggt tctgcaagga ggaggagat 60

ggagggtgcc agccacatgc tcctggagga gccctttccg ctgcctccg tctctcccc 120

cgccaagcct aaagtattcc catcactcac caagatagtt gggacgctcg ggcccaattc 180

acactcgggt gagattattc aggaatgcct cactgctgga atgtcagttg cacggtttga 240

tttctcatgg atggatgctg cgtatcacca ggagaccc 278

<210> 23420

<211> 212

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H10

<400> 23420

cccacgcgtc cgccgggaac aacaactgcg agatggccac ggtggagacc tcgggcacgt 60

gtatagggtc ctccgggaga tgggcactac acggcaagac agccctcgtc accggcggca 120

cccgcggcat cgggcgtgcg gtagtggagg agctggcggc tctgggggct tgccgtgcac 180

acatgctccc agatggcggg ctagctcgaa tg 212

<210> 23421

<211> 367

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-H11

<400> 23421

gctgttcact ggagggaaca gtcaagatat tgttcaagag aggaataaat ggcgcagaca 60

gatcaaggag aatctcatgg ctgctgcagc aaacggaaaa gatttagaag agacagcaag 120
 cgatgacgat accttgatg tgagtgatga tgacttcttt atgtctggaa gttcaagtga 180
 tgaagaggct gatgatgagt ggactgacaa gagtgctaag gaaccagcat ccagtgcctc 240
 aggtagggca gcatctggca tgtcaagtga tgaaaagaac cagcgtcaga gagatgctcg 300
 agttcttatg ccgncaccac gctcattagc cccanatagg agcagacatg cagataaccg 360
 tgcgata 367

<210> 23422

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H12

<400> 23422

cccacgcgtc cgcagtcaac tgacagaatt aaagagagcc gaagaactat gttggagaca 60
 gaagagcttg gtgtgtcaat tcttcaggac cttaccaac agcgacagtc actactacat 120
 gtcatacta ctttgcacgg agttgatgac aacattggca agagcaagaa gatcctggct 180
 gcaatgtcaa agaggatgga taggaacaag tggatcattg ggggaattat cacggctctc 240
 gttctggcca tccttctcat actctacttc aagctcgcta attaagcctc tgccctgcagg 300
 taggttcccc ctacatatct gtgttcagta attgtgtgat atgagttgtc tgaatgccgt 360
 gtattgagca acacgcagct ctccgagcgt catttggtcc ccctcaaacc tgtaaaactca 420
 aaatggctta ttctgtgtat agtctggtat tcccaactat gtaaaatg 468

<210> 23423

<211> 462

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-H3

<400> 23423

gtacaacctg ctggacacgg tgagccggca cacgatccag gtgtaccgcg ggacatggac 60
 ggcaatcatg ctgacgttcg acaacgcggg catgtggagc gtgcattcca acatctggga 120
 gcggtactac ctccggggagc agttctacat cagcgtcgtc tcgccggcgc gatcactgcg 180

cgacgagtac aacatgcccg acaacgccct acgctgcggc aaggctcgtgg ggctgccgat 240
gccgccgtcc tacgccncg cgcgctaaga cgacgaaggc ctcgatttct cctcgtggtc 300
tgaccatgca atccaaactc aaaagaacaa atacgaaaga agcgtagtga aggggaacaa 360
atgaatggat atatgtaatc ttgagatgca tgccctctca gatcactgta ctgggggttct 420
caaaaaaatc attggaatgg gagttatata tataacttta tc 462

<210> 23424
<211> 333
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H4

<400> 23424

gtccaactac gcgcagatcc tctacgagtt cgacatggac atcgacaggg cggagatgta 60
cttcaagcag gcggcggccg acgagccagc ggacggggaa gcgatgcgga ggtacggcat 120
gttcctctgg cagccccg cgacattgg cggcgaggag gacatgttta ccggcgccat 180
tgacgaggag cccgagagca gccaccaccg gagcagctac acgtgggttcc tatggatgac 240
cggcggcgtc tagacctgcc tgatcgacac caccggaaag cagaacaatg gcaacgacgt 300
tgaatgaacc gtagcccttc gatcggaatt cgg 333

<210> 23425
<211> 288
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H5

<400> 23425

catccgagac ctacgcgtcc gcagaaaccc taattggaag ggcactgcac ggacgaagga 60
gatggcggaa gacaatcaca tgctcctaca cgagccctta caactcgctt tcgaactttt 120
ccccgccaag cctaaaagat tccgcatcac ttaccaagat agttggtacg ctcgggcccc 180
attcacactc gggtagagata attcaggaaa gcctcactgc tggaatgtca catgcaccgt 240
ttgatttctc atggatagat gctgcgtatc accagaagac ccttgata 288

<210> 23426
 <211> 195
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-H7

 <400> 23426

 agactccacg cgtccggtat ttctggtttg tattaacatt taccgatcga tttttattgc 60
 tgagaagcat ataaacatta tactcacctt taataaaaaat aattaaaaaa tatataaaaa 120
 aaaactaact aaaaaaacia ttaataataa aaaataaaaat aaacaaaatc aaataatata 180
 taataaaattt taataa 195

<210> 23427
 <211> 314
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-H8

 <400> 23427

 ggattctaac gtttccctcg ttgttttggc acacatgggg tggcccaatc aactaacttg 60
 gttgcagttt tcagcgaaaa atcgtctgcg gcgcaagaga agcgtacaac tcaatttgca 120
 tgatccggat tacagatgca gtcgaaatag atattttattc ttttgggtca acttttatagg 180
 attgttattg tacaaaatgc atttttcata gtacatcgga atacttcgtc caaaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaaaaagaca aacaataggg cggacccaaa gctaaacata 300
 caacgtgcat gcaa 314

<210> 23428
 <211> 217
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-H9

 <400> 23428

 gataggcgta cacggaaccc gacagctgac acatgcacga agcagacacc taatggaccg 60
 cgactgggt cctcctcgag atgctcatta taccgacga cagcatgtcg ccagctcgcg 120
 gacgcggggc atatcgactg cggctatggc agatctatgc gcgtctgcgg acgcaccgtg 180

aagacatgct cgacgatggc ggtcgagctc ctggagc

217

<210> 23429

<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-A1

<400> 23429

ggcccttgca agggcgacgt gaccatccag gtggatggca atctgctggc gaccacggac 60

gtaagccagt acaaggacca tggtaattgg atcgagattc tacgtgtgga taacctggtc 120

atcaccggca agggaaacct tgacgggcag ggcccagccg tgtggagcaa gaactcctgc 180

accaagaagt acgactgcaa gatccttccc aactcgctgg tgatggactt cgtgaacaac 240

ggggaggtgt cgggggtcac gctgctcaac tccaagttct tccacatgaa catgtaccgg 300

tgcaaggaca tgctgatcaa ggacgtgacc gtgacggcgc ccgngacag ccnaacacg 360

gatggcatcc acatgggcga ctcacccggg atcacgatca ccaacaccgt cattggcgctc 420

ngtga 425

<210> 23430

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G3

<400> 23430

gcgcagctac acttcatgct aaccacgatc aagcgccagg aatgaagacg ctgttttatc 60

ggtaatatcg atctggccag ggacgagaat gaacacatgg ccaagctcga tgaacaggcc 120

taaaggtatt aagaactggt tgaaactatg gtgaaggtgg ctaaaactgt atacgttggt 180

agacctatct gatgaacagc gcaagctggt gacagacgta taccagaatg cgatcggagc 240

tctcacaact tgatacgcca ttgctctta cattgtacaa aatgaagagc tgcttgccaa 300

cgaatagcct gtgaacctta tgaacgagtt ctgaacgatg atcgatgctg aact 354

<210> 23431

<211> 129
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A10

 <400> 23431

 tcccactcgt ctcggttcta gatcgcgagc gtattacatt ttgcagacgt ctactacacc 60
 atggggatat gttgctcgat taggatgcct gcactactac catacatgct tctaaccttt 120
 caaacacca 129

<210> 23432
 <211> 395
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A11

 <400> 23432

 cccacgcgtc cgcacatgatc acgacaagat ttcggtgcaca aacaatgcga tgagagcctt 60
 gtgcctcctg gtcctcttct gcatcgtgca tgggtgagaag gaagagtcaa agggcatcga 120
 tgcgaaagcg tccggctcctg gtgggtcctt cgacatcacc aagttgggag cctccggcaa 180
 tggcaagaca gacagcacga aggctgtgca ggagggcatgg tcatcggcgt gcggcggcac 240
 tgggaagcag acaatcctca taccgaaggg tgacttcctt gtcggacaac tcaacttcac 300
 aggcccttgc aagggcgacg tgaccatcca ggtggatggc aatctgctgg cgaacacgga 360
 cctaattccag tacaaggacc atggttaattg gatcg 395

<210> 23433
 <211> 350
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A12

 <400> 23433

 aaaagctcaa gaacacgctc aaggcctttg gagtattggc ttggtgaaag attactatat 60
 gggcctatac atgacaattt gcatggagct attggcatca aagcatactc tcctggccaa 120
 gatggcaaga gatcattgaa agtgaaatct ttcggtgctg aacagtattc agatcttggt 180

gctaaatctg caaggtactg aagccaagat ttcccaaaga ggatcacgcc ttgtgacctg 240
 ttgctttgtc acctcactat gggatgttga catgtattgg tagaactgca gtactgcaca 300
 acgaaatgca tgttaactta ggcaggtatc aaatggatga gtatctatct 350

<210> 23434

<211> 269

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-A2

<400> 23434

cgtatatagt tcagttgtag ccgttgagac ttgggaggca ggcgacatgg gtggcgaggaa 60
 ggacgactgc cacgatccct cgaaggcgga caagggattc cacggaggag ggtactcggc 120
 cgacgacggt ggatactact gcggccagta ccccggcggc ggctaccctg ctccaccggg 180
 cggcggtgcg taccctgacg gctctgggta cccggtagca cctgggtgggt acccgccctc 240
 ggggtggctac cctcatcctg gctgatacc 269

<210> 23435

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E4

<400> 23435

cccacgcgtc cgcacacgcg tccgtggaca atgtctacta ccccatcatc atcgaccaga 60
 aggactgccc caacaacatc tgcgtcaagt ccggcgccctc caaggtggcc gtcaacgacg 120
 tcgtcttcaa gaacatacac ggcacctcca acacgcggga ggccatcacg ctcaactgcg 180
 ccaacaacct gccatgccag ggcgtgcagc tcgtcaacgt cgacatcaag tacaatggat 240
 ccggcaacaa gaccatggtc gtctgcaaga acgccatcgg caagtcctac tgcttggcaa 300
 aggagctcgc ctgcatctga accaattgac taacatgcat atattatata tataatcact 360
 ctttcgaacc tctgtctttc tcacgtactc taaagtctcc accgaatata taatccgctg 420
 gtatgtataa tctttcttct ttggatcatc aaaaaaccaa 460

<210> 23436

<211> 433
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-E6

<400> 23436

cctgtggtct gctgagctct ccaagctcgc tgccaacgcg ttcttggcac agaggatctc 60
 gtctgtgaac gccatctccg ccctctgcga ggccaccggc gcgaatgtga ctgaggtggc 120
 ttacgccgtg ggcaaggaca cgaggattgg ccccaagttc ctgaacgccca gtgttgggtt 180
 cgggtgggtct tgcttccaga aggacatcct gaacctggtg tacatctgcg agtgcaatgg 240
 cctgcccagag gtggccaact actggaagca ggtgatcaag atcaacgact accagaagag 300
 ccggttcgtg aaccgcgtcg tgcgtccat gttcaacacc gttgccggca agaagatcgc 360
 cgtcctcggc ttcgccttca agaaggacac cggcgacacc agngagaccc cggccatcga 420
 tgtctgcaaa ggc 433

<210> 23437
 <211> 436
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-E7

<400> 23437

cccacgcgtc cggaaaaaat ttcttgagtt tgaaaataaa ctgaagagac tagaggagct 60
 ggaaaaagag gcaacagagc taagagcggc aaattcaagg ctgcagcagg agaatgcaca 120
 tcttattagg cgactggagg ttacacgcct accccctgta cctaagccca aaactagtaa 180
 aagcattgga ggaggctgat cggttgaaac aagaaactga taggttggct aaagaggttg 240
 aacaacttca gagtggcagg tttgcagatg tcgaagaatt ggtatatctg aaatggataa 300
 atgcctgcct acggtatgag ctgagaaaca aggatgcccc atcagggaag actgttgcac 360
 gagatcttag caagaccctg agccccaaagt ctgaatngag gccaaacagc tgataatgga 420
 atatgccaat gtgggt 436

<210> 23438

<211> 281
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-E8

 <400> 23438

 cggacgcgtg ggctcgatga ttagctgagg accaagttaa tgtctgttag aaactgccgg 60
 agatcgacat tgccagatgt ggtgtggtat aagataggca atatgtgtga ttatTTTTTg 120
 ttcgaggTTa tcacCCCCct tgCCCCagaa aagatgagaa gatgtcgatg taacaagccc 180
 tctgcgcttc tgtaagtaga tgagtgttgc tgcattgcccc ctgggtacat gtatcggttt 240
 gagcagaaaa aataaaaaaa aaaaaaatat ataaataaaa a 281

<210> 23439
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-E9

 <400> 23439

 ccaagatcta cggcaaggcc atggagcagc tgaccgcggc gatgggCGcc tccgagagct 60
 gcgaggacgc gtggaagggc gaggaagatg tccccgtcgc cgcgcacgac agggagtacg 120
 gtcggatggc gcacatcgcc ttcggattca cacaccagc cgccgcccgc gcatgaatca 180
 tcatgtcata tgcattgcat gcttctcttc cttgtcgcat taatTTTcat gCGTccaatg 240
 attcatatct ctatatgcat atctctctgc tctgccttgt tggctggctc ttctcatcat 300
 tccctagcag atcgcatagt attagttgca tgcattatat ngatgatgca ggtatttcgt 360
 cgagcaacaa ggcgtactat caatggTTTT tgaaataccc aaaattagtg aataaaggga 420
 aactggttat 430

<210> 23440
 <211> 222
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-F10

 <400> 23440

cgacggatgc agctaccgtc attcaggctc cagtgccacc ccgtgccatc gggctgcgtc 60
 cgctatctac cgagcggttcg tgcattggacc agagcgtggg acggagcaat ggatgttgag 120
 atggaggcag tcgaaggaga gatggctacg gacttggttat ggtcttacac tgacgagccg 180
 tacgcgttgc gccagcggaa gatcatggct atgtacagtt aa 222

<210> 23441
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-F11

<400> 23441

cccacgcgtc cgatcaaattg cacaattgca cgttattgag ggagtaggaa tagtgtattc 60
 agaaattttaa aggtgtcaaa ttggcatctg agcaacaact ctaattaaca gaggtgaagc 120
 caggtcacaa gtgagggaaa acaggagaag tgtttcactt gtcagcactg ccaaaggaat 180
 cagagctttc gttctgagct gaagcatcga ccgaaaattt ctgggcttcc aaaatcttca 240
 tttcccgtc agcatgctct cgctcacact gggtaatgcc catgataatg tccagcatgg 300
 ttccagtagt gccgaagaag acgagtggg ctaaggattt cttctttatg cccacaggat 360
 tagcatcaag agcaccgcga actgagaaga accaagttcc tagagcattg gctactgtgc 420
 aatcctccag ttgcttttcg ccgccgccga cccggg 456

<210> 23442
 <211> 454
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-F12

<400> 23442

tctccctccc cttttctctc tcttctctct ctaccacccc agggcccccg atctggtcct 60
 gccactccga tcgcccgaac gatcgccgag cttccctggt cctccccgc ccccgcgacg 120
 ccgcgacgcc atggagccgc cgcacgccga gcaggtcgtc gcctctgtag aagcaggagg 180
 agaggggtggc actgcaagcc cgggcaccgg cctcgaaggg ccggtgctta gcgcgggggc 240

tggacggcgg tgggtaaggg gaggacggng agctgggggc ggngcaggag gcggacgcac 300
gactaccgga gcggcctggc gaggccgact gtggctacta cctccgcacg gctaccggac 360
cggcctggcg aggcggctgc ggctatcgct ggtggcgctg tgggggtacgg tgacagcgag 420
gtgttcagcc aaaatgtctt cggagataca atct 454

<210> 23443
<211> 311
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-F2

<400> 23443

cccacgcgtc cgagaagctg acggaggcgg gcgccgacgg ggtcatgac gacgtctggg 60
gggggctggg ggaaggggaag gagccgggag tctacgactg gagcgcctac aggcaggtgt 120
tcaagctggg gcaggaggcc gggctgaagc tgcaagccat catgtcgtgc caccagtgcg 180
gcggcaacgt cggcgacgtc ggcaacatcc cgatcccgcg gtgggtgcgg gacgtcggca 240
aaagcaaccc cgacatcttc tacaccaacc ggagtgggct gacgaacatc gagtatctca 300
cgcttgaggt g 311

<210> 23444
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-F3

<400> 23444

atcagatagg cctgggagct acgcgtagga caccttgaca ctactggcga ggggaagcgt 60
agaccggcgc tcaactgacg catggagcag gaactcctgc gctagaagta tgtgtgccga 120
gctgttgatc tgctgtgggtg aactgagga caccgaggag gtgctcgtga tcatgcggct 180
caactccatg ctcatcaaca tgatcatgta caactgcaac gacatgatga tcaacgacgt 240
caatgtgacg gtgtccggct acagcttcaa cacggacggt atacacatgg gcaactcgat 300
cgacgtctac atcaccaaca ccgacatcgg cgtcggcgac cactgcatct aca 353

<210> 23445

<211> 403
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-F4

 <400> 23445

 aggctcccca aagatagcat agcagcagca ctcaaatag caaaaaccac catccgtcgt 60
 cgccaggcgt agcaagaaca tcaccaccgc ccagcaataa tggcgagag catgaggatt 120
 gtggcgctgg ccctggtggc cctgctggtg gtggcgggcg cgccgcccgt ggccaccgtg 180
 tacggctgct acgacgactg ctacgagcgc tgcgccaacg gcaagaaaga ccccgccctg 240
 accaagatgt gcaaccaggc gtgcggctcc acggatcagg gcgccggtgc cgtcggcgcc 300
 gcgccggctt gatcgctccag cgcattcatc gcttcagctc gatataatcg ctgctacggc 360
 agcaactcac atatgattcg atcaattttc cctctctaatt ttc 403

<210> 23446
 <211> 376
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-F6

 <400> 23446

 cgccaaacgc cgctgcgctc tctctccttc tcgtcctgac cccccagagc gagagggagg 60
 ggcaccata ggagcctgtc gttttgatcg gtgtctctct gccccgctc ccgcgaggag 120
 agaacaacct ggagaaaatg gcgccgatct ccggagccac ggccgctcctt gtgatggccg 180
 tcgtcgccac gctcgccgcc gcggctaacg ccctggcccc cgccccagca cctgctacca 240
 gtgacggaac aagtgtagac cagggaatcg tctacgtcct catgctggtg gcgcttgtcc 300
 tcacctacct catccacca ttggacgcct tcttcgccta ctagcttctt ttaaaaccat 360
 tcgctttgta aatttg 376

<210> 23447
 <211> 175
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-F8

<400> 23447

cggacgcgtg ggcaccggca cctattacac tcaggaggac gatagcctgc tctccactgg 60

gagggactca tgcaccggcg agaccaagga tgacgtcaac gtcgagtata gcggcactaa 120

taacaagaac atggctatat gcacgaacgc caagggcagc actaatcgac gactt 175

<210> 23448

<211> 286

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-F9

<400> 23448

cgacggaggc agctacagta atacatgctg gaatggcacc aggtgacatg cggctgggtc 60

agctatctaa cgagagaacc tacatggacc agagcataga acggagcaat ggatattgaa 120

atataagcaa tcgaatgaga tatgcctacg gacaagttac cgaataaccc tgtccaatcc 180

tacaacatgc aacagaggaa caagacagct atgaccagtt caagaagcga cttatggcga 240

ccatatgcac tcgtccggct cacaatagat gtgtatgcat aaattg 286

<210> 23449

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G1

<400> 23449

ggattgcagc acttcatggt gacaaggatc aagcttctcg tatggagacc ctgcagaagt 60

tcaaactctgg gacgtaccat gttctgggtg caactgatgt tgccgcacga ggtcttgaca 120

tcaaactcgat taaaacagtt gtcaactttg atatcgcaaa agagatggat atgcatattc 180

accgaattgg aagaactggt cgtgctggtg acaaagatgg cacttgctta cactctgatt 240

actcagaagg aggcacgctt tgccggtgaa ctggttcaaa agttgattgc tgctggccag 300

gatgtaccca atgaactcat ggatctggc 329

<210> 23450

<211> 461

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-G10

<400> 23450

agatggcgtg cacaacaat gcgatgagag ccttggtcct cctggtcctc ttctgcatcg 60
tgcatggtga gaaggaagag tcaaaggga tcgatgcgaa agcgtccggg cctgggtgggt 120
ccttcgacat caccaagttg ggcgctccg gcaatggcaa gacagacagc acgaaggctg 180
tgcaggagga atgggcatcg gcgtgcggcg gcaactggaa gcagacaatc ctcatacca 240
agggtgactt ccttgctcga caactcaact tcacaggccc ttgcaaggga gacgtgacca 300
tccagggtga tggcaatctg ctggcgacca cggacctaa cagtagaag gaccatggta 360
attggatcga gattctacgt gtggataacc tggatcatcac cggcaaggga aaccttgacg 420
ggcagggccc agccgtgtgg agcaagaact nctgcaccaa g 461

<210> 23451

<211> 428

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-G11

<400> 23451

cgagaggatc agcttcaacg ggtgccggaa cttcctgctt tggcagaagg ctgcggctca 60
gggtgccgcc gccagccacg ccgggtccga tgctctgacg gcaacctga gccccggcag 120
gaagggcagc ggtggattca aggctactga tccgagccat ggcaggaaag gcggcggcgg 180
ctggaaggct ggactgaaca agttcctcct cagcttcagc atcaagggtg gatccatgcg 240
tggacgagag aagggggggc tttcttggtg tcgaggcacc gcgcaacaat aaaaatgcat 300
tgcatnggtt tgtctgtttt ttcaattaat caggattggt tggtgccgcc agtgaaatgg 360
cgaagtgtaa ttcgtcatgc gaatccgagt cgagtgcagg caaagtgtga ttcacgtat 420
gtttgagt 428

<210> 23452

<211> 107

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G12

<400> 23452

acccatatcg catccactaa cactgctact agaactcatt atactgaatc caacatggtg 60

atagggttacc ttcgtcggat tcgcaaatac ctattcctta acgcata 107

<210> 23453

<211> 193

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G2

<400> 23453

atcgacgaaa gctatatcca gctagtgaca agagcaaaaa caccatcatc ttatacgccc 60

gtatcagacg ccacctcaat ggcccagagc acgaggatgg tggcgctagc cctggtggtc 120

ctcctggtgg ctgagacagc tttcgtgttt aatgtcaccg agtacagctg tttccataac 180

tgctacaagc ggt 193

<210> 23454

<211> 106

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C9

<400> 23454

gcctcacctg tgctactaat catcggcctg ttcctcctgc tcaattcaga cacaggggat 60

tgtgtttgct cccgagctgt ctacctgcac tgcacgtttg agtccg 106

<210> 23455

<211> 272

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-D1

<400> 23455

cccacgcgtn cggcacgcaa gtgtcaagag acgaaacggt cgacatggct cgcacgcaat 60

ctgccgtagc ggtcgccgtg gtggccgcgg tgctgctgct ggcagcggcg gcgacgacct 120
 cggaggccgg catcacctgc gggcaggtga gctccgncat cgcgccctgc ctctcctacg 180
 cccgcggcac ggggtccggc cctccgcgt cctgctgtag cggcgtcagg aacctcaaga 240
 gcgccgncag caccgncgnc gacaggcgcg cc 272

<210> 23456

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D10

<400> 23456

tccacatcta ctcatacctc tgttttaaaag ttcacgcttc aacactcaac aaccgggctg 60
 ggtatatatg taaagggctc acacttaca tctattgcat atttgattat tatacataac 120
 ttttatcatt tgatgattcc atcttaatct ctatatacat ctgaaatgta tgcataaacc 180
 aataacgaac gatttgaaag tgtactcgat cattctacca ttagacaata agatcttctt 240
 tctaaaaata ttctattttg aactcttata tgttcaaaat ttatattgaa attcttttat 300
 aaatttttcc ttactttttc 320

<210> 23457

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D11

<400> 23457

cccacgcgtc cgagcgctgc tgccctgccc ccgcgcgctc gtcgcgggtc cccggggctg 60
 gttgctgctg cgctgccagc gtcattggacg ggggatccgg caatgcctcc agcggcggag 120
 cggcggtgtg ctgctactac gcgctcctcg gcgtccgcaa gagcgctcc gccaccgaca 180
 tacgcaccgc gtaccggagg ctgcgatga agtggcacc gccaccggtg gccagcgacc 240
 ccggcgcggc cggcgaggcc aagcggcgt tccagcggat ccaggaggca tactcagttt 300
 tateggacaa agggaagaag gccatgtacg acgcggggt cttcgatccc ctgcagcagc 360
 acgacgacca ggattttctc gacttcatgc aggagatgct ggtgatgatg gataacgtga 420

aaaacgagaa gccggacacg ctagaggacc tgcagaagat gctg 464

<210> 23458
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D12

<400> 23458

cggacgcgtg ggcggacgcg tgggtgcgag tgaagccttc cctgggtaac atttgggtac 60
gcttgacaggg ttgtgcagtt gtattggtgc attcaacttg caggagctac aagtcatac 120
cagaagctga aagaaggggg caggatcagg tccctcacag ccacacagga gaagacgagg 180
atcgcccatg cctcttgctg ctccagggtg gcgatctcga gaagttcaag agcgtgtcac 240
tggctatgga aaagggccac tctgcctcca gagtcctggg gactggggag ggacgccgtc 300
cgtggagaga gttgtgggtg atgagggaaa ccgatggaga atgtgcttgt cttatgtgtg 360
ctggaagttg aaagtgtttt tgaaaaaaaa aaaataaaaa ttaaaaaaaaa aaatatataa 420

<210> 23459
<211> 355
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-020-Q1-K1-D2

<400> 23459

ctacaaccag atgggacgac tgccccccgc cgtaaaggcg cactccatg tcaccccaa 60
cgatcatgacc gccgagttcc ggaccttcac cgagatcgtc ttcgagaacc ccgagaagag 120
catagactcc cttcacctcg acggctacgc cttcttcggc gtcgggatgg ggcttgggac 180
gtggtcgccg gagatgagga agacgtacaa cctactggac acggtgagcc ggcacacgat 240
ccacgtgtac ccgcggtcat ggacggcgat catgctgaca ttcgacaacg cgggcatgtg 300
gagcgnctcg tccaacgtct gggagcggta ctacctggg gagctagtct acatc 355

<210> 23460
<211> 264
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D3

<400> 23460

ctaacgcctg ctgcacgcca gtctcaacag acgaaacggg ccacatgggt tgaacgcaat 60
eggccggagc gatcagctcg gtggcctcat tgctactgct tgcaacaacc gcgacaacct 120
cataggctgc catcacctgc acgcatgcga actccgccat ctcgccatgc ctcttctacc 180
cccgtggcac gagatccgga ccctgcacat cctgctgtac ccgcgtcacc aacctaaata 240
gcacctgcag caccgacgac gaca 264

<210> 23461

<211> 220

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D4

<400> 23461

ccgcaaggtc atcatcacga ctgccgagaa ttcgaacatc ccgaggaggg agatcacgaa 60
ggaagtgctg gaatctatcc tatacgaagt tttctacaga atccaagacc caaaccttgt 120
gtacccttac taccatctca acccgatatca tgcctaagac taacgtaate tatcatggct 180
ggctccaaca tacgccgagc ctgctacaat gtttatcgca 220

<210> 23462

<211> 240

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D5

<400> 23462

cccacgcgta cgagaacata tcgatgcttt taaatatcaa tcagctccct cttgcaagggt 60
atgtgctcgt tgcacagggtg ctcagatagc tccttctatg catctgctac catcacataa 120
gatggcttac tgagctttat ttcattgtaga tacatcctat gaacattcct ttacttcggc 180
taacgtatca tattacaatc ccttatgatt acgattttct ttgaattatg cacctaacca 240

<210> 23463

<211> 364
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-D6

 <400> 23463

 cccacgcgtc cggacccacg cgtacgtcca ctcgcccgcc cagcgcgtac gcattacgag 60
 ggcaaaagta agctgctgct gttcttcgac ccgctccggt cgatcgattc gttctttccg 120
 ccatggaggc tcggaggaag cccgcggtgt gctgtgccct tcttgtgctg ctcatcgctg 180
 cctccagcgc aacggtgtcg actgctcatg acgagagctg ctggaaggac gacgaccacc 240
 accctatctg ctttcccgaa gactgcgtgg cgacctgcca ggatcacggc cagcgggacg 300
 gccgctgcaa ctgggcatgg tcgtggaggc cgtattgaca gtgcctgttg gcggactgcc 360
 aata 364

<210> 23464
 <211> 398
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-D7

 <400> 23464

 ctgtcagcat ttactatgtt gcaacggggg gaaatTTTTg tcttcatgta acaacgcttt 60
 acagttacat tcatttacca ctttcaaccc ccacaggcaa ttcttctgtg gcaagcggta 120
 ctttcaaatt tcagttacac ccacgtaagc ccacatatgc aaaaaaaaaa ttaaaaaaaaa 180
 taccagaatt ttacaggagg catacggttg taggctcagc agacctcaac gatcaaattg 240
 tttgtccagc agagttctaa aggctctgaa agcagtctgc tggaaacatt ttgcctctgt 300
 tgcaactaaa aagctctgta aactatTTTg ttgaatatat aaacaaataa cgactgcact 360
 gtcgtgactg tcatgaacct ttcacattga tctcaaca 398

<210> 23465
 <211> 356
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-D8

<400> 23465

gcggcagcgc cgcacagagc gagacgcagc ggccggacgag gggcagaggc gagcgcggcc 60
tgcagtcocct gctaccatgg acactttctt cctgtcgcac ggctcgccca cgctctccat 120
cgacgacaac atccccggcg ggcaacttctt caagtcgtgg gtgccggcga aggtcgcggg 180
cgaccaaccc ccgcgcgcga tcctcgtcga gtcgggacac tgcgacacgg gcacgccgga 240
ggtcaacgtc atccaccgca gcaacgacac catttacgac ttctatggct tacccaagcc 300
catgtacaag ctcaagtacc ccgttccggg cgccgcacac ctgttcctgc ggacca 356

<210> 23466

<211> 326

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D9

<400> 23466

tccacacctc ctcatacctc tgcttgaaag cacacgcttc aatacccaac aactgcggga 60
ggtatatatg tacagcgggtt acctttataa taaccattaa atattgcaa tgaacctaaa 120
tctctacatc taatttacgc aacattccca ttgatataata acatatctgg accattgatt 180
atgatgttta ctagctgaaa ctcaattcaa ttgagctat gcagtttgac actccttttc 240
atgtatacct atttacatat ttattagcct attcttctat tatattttaa cttaccttca 300
cttgcattgt acgttttaatt tctttt 326

<210> 23467

<211> 326

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E1

<400> 23467

gtgaagcaag cagcacacga gacgatatag agggagggat catggctctc ttccgtgccg 60
ccgcgtcagg agggttcgcg ctgaccttc tcgcgtgctg cagcctcatc atgctggcgg 120
cggcgtctgg cggcggcggc gtggacgacg acggcgtcgg tggtgacagg ctgatgatgg 180
accggttcct cagctggcag gcgacgtaca accggtcgta cccgacggcg gaagagaggc 240

agcggcggtt ccaggtgtac cgccgcaaca ttgagcacat cgaggccacc aaccgggcgg 300
gcaacctgac gtacacgctc ggcgag 326

<210> 23468
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E10

<400> 23468

gcgatcgacc ttactcgagg acgactgaaa catgcgtcac cataccatgg cccccagcaa 60
gctctgcgag gccctgtgcg cgggtcaagga ccatacgagc atcgggctgc ccaacgtcga 120
cagcggccgc tccctgcacg cggacctgga cttggccatc gtcaaggcca ccagccacag 180
agtgatcatt gcatatgcac tgacctccat attctggctt agtcgcatct cttactctgc 240
tgtcaatgat tcatatctct atatgcatat ctctctgctc tgccttgctg gctggctctt 300
ctcatcatte cctagcagat cgcatagtat tagttgcatg cattatatag atgattcagg 360
tccttcgttt agcaacatgg cgttctatct aattgtttt 399

<210> 23469
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E11

<400> 23469

cactaatcca agacaaaaca tggctgtgaa tgtgagaacc atgtggctgt cgatgcgggc 60
agaggttgcg atggttggtg cgttggtggt cttggtgagc ggcgcatggt gcggtcctcc 120
caaagtcccc ccaggcaaga acatcacggc cacctatggc aaggactggc tggacgctaa 180
agcgacatgg tatggcaagc cgacgggtgc cgggtccgac gataacggtg gcggtctcgg 240
gtacatggac gtgaacaagc ccccttcaa tagcatgggc gcatgcggca acatccctat 300
cttcaaggat ggtctgggtt gtgggtcctg cttcgagatc aagtgcgata agcctgtgta 360
gtgctccggc aagcccg 378

<210> 23470

<211> 350
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-E2

 <400> 23470

 cctctctccc ttctcacca tcacatccag ccagccaaca aaaatgtcgc gcgtcacagc 60
 tgcggtgctc ttctacatcc tcgccgttgc tgccctcagc gcggccgagg ccccggcaga 120
 gtcaccgaag gaaggcagtg ctgccaaggc acctgagtct gccaaagaaa ctgctgcccc 180
 cgctgaagca cccgaagccg catccacccc cgtcgccgcc gctgccccat cgccgtcgtc 240
 taggaagtct ggtccagcta ccgcgccagc caccgntctt acacccccctt cttccacgga 300
 cgaggagttg agcccttcen cccagcattc caccgcgcgg cgtcccctgc 350

<210> 23471
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-E3

 <400> 23471

 cagggatact atggccttcc accgactcca caggagaacc tcacctacga aggcactgag 60
 agggcgacgt acgctcaagg tcatcatagg aaggctagaa gcttatcgag cagcgaacat 120
 ggagatggtg ctgacgatgc tgagaagccc ataaggcggc gccagaaagc cgactctgag 180
 ctgacgacag gtagggagga caatggcggc tgccctcttg caagggtgg gcaagggtg 240
 gccctgaggg caaaatctgg gagtcgacca gacgggaacg gcagccagct agatctctcg 300
 gccacgtggg tgccctcgta cggggatggg ctgcacaccg tgaagaaatc atcgagcacc 360

<210> 23472
 <211> 466
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-C7

 <400> 23472

ctctcgtttc gccctcccc tcgagcacc cgccggctag ggttacggcc accgccttcc 60
aggcctcccc cacttcccg aggcggaggc tggtcggcgt gcacgcgacc gcggcggcgg 120
agatggaccc ggacttctcg cccgggggcg gggggcccag ctttgaattc gccttcaacg 180
aggtcaactt ctccgaccgg gaattgcgta tcgaggtcgt cgccggggat gactacgctc 240
cggggtccag cggcgccggt gccggaggag gtggcctcgc cgactgggcg cgccaccgca 300
agcgtcgccg tgaggagctc ctcaaggaga aagaatctac aactcacatg tcagaccaaa 360
caaattgcaa tgaagttgaa gcagaagagt gtgatgcgta tgaagaanat caagaggaac 420
ctgtagcaat ggtagaagaa tctncacccg atgttggcca agatgg 466

<210> 23473
<211> 461
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-B11
<400> 23473

cggacgcgtg gggtcaaagt gagaatatgt gaaatctggg ctttgtgtgc tggagaaatg 60
gattgtggac actgaagagc atgcagggtc agcttgggat gagctgcagt tcattaggca 120
agcggttgac tttctgatca ttccacagaa aagcaaaaag accattgagc agattaagaa 180
aaatatttgc ccggcattaa gtgtgagaca gatatatcgc ttatgtacga tgtactggga 240
cgacaaatat ggtactcata gtgtatcagc tgaggttggt gccagaatga gggacatggt 300
gagtaatgac atgcaaaatc ctgtctctaa ttcatttctt ttagatgatg acttaagcat 360
tcctttcaca accgaggaaa ttgcagagca agtaccagat gttgacatgt caaacatcga 420
aactcccgca tctcttcgtc atgttcattc tgctcagttc t 461

<210> 23474
<211> 463
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-B12
<400> 23474

ctctcaaaca ggattgggag ggagagcctc aaggcggggg atcatatcta ctctggagg 60

gcggcggtggg tctacgcgca tcacggaata tatgtgggcg atgataaggt gatccatttc 120
acaagaggaa gaggacagga ggtcgggaaca ggaactgtcg tcgatattat tcttgtgagt 180
tccaccccaa aacgaagcaa cacgccttgc ccggtgtgca ccgacgaaac cagcgacagc 240
agcacagaga cgaacggcgt ggtatcctcc tgccctcagct gcttcctagc tgggggtgct 300
ctctaccgtt tcgagtacgc agtcaacccg gcgctcttcc tcgccaaagc gcgaggaggg 360
acgtgcacgc tcgctccctc tgaccctgac gacacgggtg ctgccgcgcg cagatacctg 420
ctgagcaacg gtttcaagtg ctacaacctg ttcaagagca act 463

<210> 23475

<211> 181

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B2

<400> 23475

acgcccacgc gtacgcccac gcgttcgcgg acgcgtgggc acggctctcc tctcgatgt 60
ctgagctgcg acccaataat ggcaaggtt ctatcaggat ctcatgaaca ccgtctaagc 120
tctgccttag atggacacta cgacgagaag aggacatgca atgtggaaca cacataggac 180
g 181

<210> 23476

<211> 156

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B3

<400> 23476

acgcccacgc gtccggaagg ccctgcccat gcctttgcta caggctctct tgttgcttaa 60
ctgggcaggg tgccattgat gctgtgagag atatgagcat ctgacaacct gtgtgctatc 120
gctgtgtcat attgatactc agactccact tagact 156

<210> 23477

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B4

<400> 23477

accccatctt gcaacagact atcgatggca aagtactact gtaacatctg taaatTTTTT 60
gatgatgaaa ggactgtgta ccactgtccg ttttctaatt tgtgtcgtct tgggaaaggT 120
cttgggtgttg atttcttcca ttgcatgaaa tgcaactgct gccttggaat gaaattaact 180
gagcacaaat gtcgggaaaa agggctagag acaaattgtc caatatgctg tgacttccta 240
tttacatcaa gtgccgcagt cagagccctc ccttgtggcc acttcatgca ttcagcttgc 300
tttcaagcat acacttgtag tcactacact tgccctatct gctgcaaatt cttgggagat 360
atggcgggttt attttggcat gcttgatg 388

<210> 23478

<211> 436

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-B5

<400> 23478

acttctccgc acgtcgcgcc gtccgcgttt gcgaccaacc cggcgggtggg ggccggcgta 60
ccgccactcc tcgagccgct cccgctcttc cgcgacgtcg ccgccgcaga ccgtccgggc 120
ctcatcctcc gcaagctccg cctcgtcgcg gcgctcttcg acctctcgga ctcgctcaag 180
caccgcgcag agaaggaggc caaacgccag gcgctcctcg agctcgtaga ttacgtgcag 240
gtccagctc aggcgcgggg cgccaacgcg cccacgcgcc ttccggacca cgtccaggag 300
gcgctagtcc ttgccatctc tgccaacatc tntccgccgc tgccaccgcg gctgcacgag 360
tccgccgtcg cgategacct cggcgccgcg cccgacgacg acgaggagcc atacctggac 420
ccctcctggc cacacc 436

<210> 23479

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B6

<400> 23479

cccacgcgctc cggggtgacg gcaaagcaag tccttgagca cccttggtc aagaatgctg 60
agaaggcttc aaatgtgtca ctcggagagg ttgttcggtc gaggctgaag cagttgtcgt 120
ctatgaacaa gcttaataag aaggcacttg gagtcgctgc catgaattta ccgatggaag 180
agattggcac attcaaagag atgttccata caatggacaa aaacaaggac ggtagtttgt 240
cacttgaaga gctgaaggag ggttttcgga tgaacgatca tcctgcttca gaggaagaga 300
taaagatgct gttacaagcg gtcgatatac attgaactga cacattacat tgtgagg 357

<210> 23480
<211> 132
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-B7
<400> 23480

cccggctcgac ccacgctccg ccacctccgt taccctaaat cacgtttaga caccattgct 60
caataatgct aggggcttca aatgtgtcac tcgatagcaa gtacgtcaat gcttaaacag 120
ttgacatcta aa 132

<210> 23481
<211> 423
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-B8
<400> 23481

gttcacgcca caggcaaggc acagaggctt gtgagggaga gcgaggagcg gaggaggaca 60
tgggtgcacgt gacgctggag gtgctgctcg ttggggccaa gggcctcgag aacaccgatt 120
acctgtgtaa catggatccg tatgcaattc tcaagtgccg ttcacaggag cagaatagca 180
gtattgcaac tggaaaagga actaccctg agtggaatga aaactttatc ttcactgtgt 240
ctgaccggac aacagacttg gtaatcaaga ttatggacag tgatacaggc acagcatatg 300
actctgttgg tgaagcaacg attccattgg aagcaatgta tactgaaagg agcattctcc 360
caacactcta taacgttgtg aaaggcgtga aatactgagg agaaattaaa gttggattca 420
cat 423

<210> 23482
 <211> 422
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-B9

<400> 23482

 gttgcttcag ttcagaactt cagtgttgtg tctgtggacg aggctcaaat ttctgcgaac 60
 gggatcaaac atggggcatt ggcaatcggc atcaatgctg cctacatgca gacatacatc 120
 ggaggcgtgt catgcccata catctgtggc aggcaccttg accatggtgt tctccttgat 180
 ggatatggtg cttctggttt cgccccatt cgctgaagg acaagcctta ctggatcatc 240
 aagaactcgt ggggcgagaa ctgtggggag aacggatact acaagatatg caggggttcc 300
 aacgttcgca acaagtgcgg cgtcgattcc atggtctata ccgtgtccgc agtccacgcc 360
 tcgaaagagt agactctggt cagcggtgat aatcgtgatt ccatatattg tagaactata 420
 at 422

<210> 23483
 <211> 60
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-C1

<400> 23483

 acgcggacgc gtgggccgca tagacaggcg tgttccgact ctccctatctg tgcgacccaa 60

<210> 23484
 <211> 331
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-C10

<400> 23484

 gcctcacctg tgtcactcat cctccgcctg ttcctccgtc tcgattcaga cacacgtgat 60
 tgtgttagct ccggagcagg ctacgtgcac tgtacgtgtg agtgccgcat ctgcttaagc 120
 tgtcgcgccg tcaatggaag ccacaacgtc aaacccgcac tcctcaacct cacttactcc 180

cacgcccgcg ccgtaaatgg aaggaaagcc aaatctcctt gcccgcagtc ctcggaaggt 240
 tcgcacattc acctactgtc tcgctcgtca tggaagccag atcttcaaac ccgtcgacct 300
 tgcaacgtct attgaatgtc catcaacttc t 331

<210> 23485
 <211> 459
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-020-Q1-K1-C11
 <400> 23485

gttcgaggtg gaccaagagc agaaggccag caactcgcgg ttcattgacct agaaaccggc 60
 gtcggcgata gtgtcaaagc tggagcagat cgctgagaca gagcgcttca tgggtgaagaa 120
 acaggacggg ctgggtgaagc tgcaggggtc caagcaaggg aggaaggggc agctcgcgat 180
 cgacgccgag atcttcgagg tgacaccggc ctttcacgtc gtcgaggtga agaagtcggc 240
 aggcgacacg ctggagtatg agatgttctg cagcaagggc ctaagacctt cactcagcga 300
 catctgctgg agcagccgat ctgaggagaa catggctcct tcagtggttc agccatcaca 360
 attggagcca tcctcttaga ccgtctccga cagtttactc acccctctta gtcgattgtt 420
 atttaagtgc agtctcttcg gagatgcaat tacagtcca 459

<210> 23486
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-C12
 <400> 23486

aaactgatct gccaaagcata tttttcttgc ccaccatggt tttcttcttg agcgaagaag 60
 tttattaagc gcattctcga tcctaatacct gatacgagga taacaattgc agaaattttg 120
 gaagatgaat ggttcaaaaa agactataaa ccaccacgtt ttgaacaagg tgaaggtgtt 180
 agccttgacg acattgatgc tgcattcaat gattcagagg accgtcttgt ggcagagaaa 240
 agagagaaaac cagaatccat gaacgcattt gctcttattt cgaggtcgca gggtttcaac 300

cttggaaatt tgtttgagaa ggagatgatg ggaatggtaa agagggaaac atctttcacg 360
tctcaatgca cagcacagga gatcatgaca aanatagagg atgcatgtgg gccacttcgt 420
ttcaacgtg 429

<210> 23487
<211> 284
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-C2
<400> 23487

acgcaggcgg acgccccgag aaggaactag cgacagctca gaggcgccga gcacttatgc 60
cacagacagg gcttgtacca ccatgaacta aagccctaga acctcctgag ccacgagcac 120
aggaacctga aggtgtgcga cttccatctg agcgcgctca gggagtgccga gaagcaggac 180
ggaatgctgc acaccagctg cgggagcccc gcgtacgttg cgcctgagat catcaacagg 240
aagggtctacg acagtgccaa ggccgacata tggctcctgcg gcgt 284

<210> 23488
<211> 270
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-C3
<400> 23488

cacacgcatg cgcctagaac gagcttgac taaatcatca acctcgacta cttcttccac 60
aggcgggcat aataccacca tgacttaaata acctacaacc tcttcagcca cgaacacaga 120
cacctcaagg tctccgactt ccatctaagc gcgctcattg actgtcagaa acatgacaga 180
ctgctgcaca ccacctgcag gacctctcac tacattgcac ctgagatcat taacaataag 240
gtctactaaa gagccaaggc cgacatatgc 270

<210> 23489
<211> 242
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-C5

<400> 23489

ggcgaatcct catacacatc aacttaagat ttgcgatttt gggagcgcta agaaattggg 60
gcgtgggtgag cctaacatat cgtacattag ctgcggtat tatagggtc ctgaactaat 120
atttgagct acggagtata cactgcaat cgatatctgg tctgttggt gtgtagtggc 180
tgagcttctg attggtcagt ctgagtttcc tggtgaaagt ggtgttgatc atctggtcga 240
ga 242

<210> 23490

<211> 334

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C6

<400> 23490

gggggatgcc gccatcgtcg ctagggacag aaacaccgag gagagcagag atggagccgc 60
gggccaaacg gaggaagggc catcatttag attgagcgta tggccaggga tattcgctga 120
aacctcagga atacgtcat ggtccctatg gacgaggagc cccaccgggc tctactgggat 180
ttctcgccgg tggtggcaga caacgccgac ccgccgtgcg ccgtggccaa gcttctactgc 240
tgctccatc ttgggttgtc agcattgcaa ctactgttca ggcgataatg aacctttgta 300
aggagacttt taggagttcc aggattacga caag 334

<210> 23491

<211> 336

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B10

<400> 23491

gatgctacag tccacaactt cactactctt tatgtagact acgctcaaat tactgctaac 60
tgtatcaatc atgggccatt atcaatctgc ctcaatactg actacatgca tacatacatt 120
gaaagcgtgt catgcacata catatgagat acgcaccttg accattgtgc tctcattgct 180
ggatacggag actctgattt cgccaccatt catctgaatg acaagcctta ctgtatcatc 240
aagaactcat gaggccagaa ctgatgagc aacggatact acaacatatg caggagttcc 300

aacattctca acaagtgtg catctattac atggtc

336

<210> 23492

<211> 242

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-H11

<400> 23492

ctgacgcgtg gtcaatggcg ctcaccgccg tcctaccttc atatacctag cagcgtctct 60

ggataaaaag ataaaaggta ggaggaggcg cagtgcgtgg tgggattatt tgtgaggaga 120

tattggaggt atcatatata tatatatata gggagacgat cgattgacag ctagatctat 180

agatgcatag tctatgggtt ccgatggatc acaccgggtct ctgtcgtact gtacttggac 240

tt 242

<210> 23493

<211> 341

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-H12

<400> 23493

gggcacgcgt ccgggagggg agccccggac ggagaagaga acagaagaaa ccccgcgggc 60

acccttccct gcctatattg ctctctctgt cttgcgcgac agggagagac cagcgccaac 120

acctccggtt tcttgattgg gtggtgatcg gtgaaggaag gagaaattaa gatgagcctc 180

ttcgggcttg ggagcaagaa tcagaagacg ttcaggccta agaagaatgc accgtctggc 240

aacaaggggtg tgcagctgaa gaaacacatc gatgcaacct taggaagcgg ngaattgagg 300

gatgctgtcc gattgccacc agggggagga tctcaatgaa t 341

<210> 23494

<211> 328

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-H2

<400> 23494

gttctagatc gcgacggccg accttttttt tttttttttc tttttttttt tttttttttt 60
gtttttgttt tttttttatt tttttttttt taaggcccaa cacaatcaag caaaccgatt 120
tctgcattac cattaattat tacatggcaa acagcccata catgctagct atttttgaaa 180
ctgtttttta atcattacat cagcaccgat atcccgggaa taccctccaa gccatgcata 240
cctgtgaatc caacatcgac ttcgtttttt aaatccatcc atttcaagcc aacccccccg 300
acttggecca tttcattaca ctcttacg 328

<210> 23495
<211> 421
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-019-Q1-K1-H3
<400> 23495

cccacgcgtc cgcgagcgcg tgggctggtc caagtgatct tgccaagtta cgagcagcga 60
gcagagatca gatcatccat cggcaatgtc gaacatcggg cagtccttcc aggccggcaa 120
ggctgaggcc cagggcgagt accaggcggg gcacgcggcg cagtgcgtca aggacaccgc 180
cgcagcccgcg gccgacagtg cgcagctgca gcatgcaccg cccaccggca ccgttgagca 240
ggtggcgagc acggggcagg gcggtggcggc aggcgtcaag gacacgggtg cgggcgcggc 300
ggttggcgtc acgaacacgg tggcgggctg ggcggcgggc gtcacgaaca cggtcacggg 360
cgccgtggcc ggcgtcacga acacggtgac cggcgcgggc gctggtgtca aggacaccgt 420
g 421

<210> 23496
<211> 295
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-H6
<400> 23496

atgtctgtct agcatgccga gctgactacg tcctagctag cgcaacgacg atggccaccg 60
cgctctcctt caacgccttc gcagtggccg cgctcctgtc cgtggtgtcc gtcgtcacct 120

acggcgctcg cgcacagcag cagcccagcc acaacgcctt cgagtcgtcg caggacaggt 180
 nccttgtgtc ctacagcagt ggctggctgc ccgccaaggc cacctggtac ggcgcgcccc 240
 ccggcgcccc gcccgacgac aacggtggtg cgtgcggggt cagggcccaa ccagt 295

<210> 23497
 <211> 311
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-H7

<400> 23497

gtctattgga atcagcaaca aatcttcagg tgctttgcct gcactattgt cttggaagtt 60
 tgacttcatt tagtttccaa acaaaggcac ctgcattaag agtattgcgg cttcattggg 120
 taacttcatt gcttacaaat gatgacttga caatccttac agagaattgc aatttggctg 180
 aactttcact ttctgggtgc aaacttcttg actccagctc tcaagacatt atctcatctg 240
 ggtggccaaa cttggcactt ttacaccttg angaatgtgg taaagtaact ggtgaagggg 300
 tttctctttt t 311

<210> 23498
 <211> 389
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-H8

<400> 23498

gcgcgatgca ctcgatcagt ctctatagtt cccccggcgt actacgcaca cctggcggcc 60
 ttccgtgcgc gccactacat ggacgatgac ctctccgacc aggggtcgtc ttcagtggcg 120
 agctctcgca tgaaagatgg cgctgttccg gtgaagcagc tgccgaaagt gatggagagc 180
 gtcaagcagt tcatgttcta ctgctgaagg tggcctttgc aggaaggacc gtcacgcaca 240
 cttttgttgc catgaaatga atcgagtaat tctgggttgg tgtaactatg gtgaagtaac 300
 cctgaagggc gggccgcacg acctccaaat catattttgg gcctggcgag tcttctatcc 360
 aaaactcgtc agaaaatgcc ttttatttt 389

<210> 23499
 <211> 385
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-H9

 <400> 23499

 ctaaaaatta tttggacaga gacatcacia atggatctga tcacaaatca caaatgtgac 60
 aagcttgcta aggtgaaact gctaaagaag ttgtatgact actatgccgc gggcacatga 120
 catcaattga ctcaaggaga aaagagaggc gtcattccaaa attctgagtt tgttcgctct 180
 attagagccc agaggcggta ctgggcgagg agctatgctg gatggataag gtttaggaga 240
 gcacaaccaa atgcagccca ttacgaccc tcccttctgt ctgcgcgcct tcactttcat 300
 ctggcactgg gagttctctgt acatagactt gtaaaagctg ccgactcagt ttcggtatgc 360
 ctatctaaag ggtaggcgc accca 385

<210> 23500
 <211> 363
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-A1

 <400> 23500

 cggacgcgtg ggcggacgcg tgggcgaccc caagtccac gagggcctgg acctcaacaa 60
 ggtcaccacc aggggaagtca tctccaaata cggattggag gatgatacgg tggactttat 120
 cgggcatgcg ctagcacttc accgggacga cagctacctt gacgagcctg caatcgacac 180
 tgtcaagagg atgaagctct atgcagaatc actcgcacgc tttcaaggag ggtccctta 240
 catctaccct ctatacggtc tgggagagct ccctcaggcc tttgcccgcc tgagcgtgt 300
 ttacggtggc acgtacatgc tgaacaagcc agaattgctag gtcgagtttg atgagagtgg 360
 aaa 363

<210> 23501
 <211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-A10

<400> 23501

gaccgcatag gctcggggca tggtacgcgt gcttgcgagt ctgggtcaaac tatgagcgta 60
tggccgggacc attggccacc ataaactgac cggtcgattg tcaatctcgc tctgtaccct 120
attaccgagg ctgagaggcg aggacagaat gccacgtacg caccatgcac ccagacgacc 180
agacacttac acgaggagga tcacacactg aagaagagac taagccgcct tactgaacga 240

<210> 23502

<211> 260

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A11

<400> 23502

cccacgcgtc cgcccacgcg tccgcccacg cgtcgcgcca cgcggtccgaa ttggtcgtct 60
gagaaaatatt gatagcgccg cctgatgtgt tatcatcatt atatgtgtaa ttttactgtt 120
ttaccaggag attgctacgt cgagttatat gttgtgtcga attcacgtgt aggctctgaa 180
tcttgactgt gttcgttcat tttcgcttgt ttcacactga agtggtataa gctcaacttt 240
actgcttttg ttttcttgtg 260

<210> 23503

<211> 453

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-A2

<400> 23503

cccacgcgtc cgaattgtcc ttgagatgga tacctacaga taccatggcc actctatgtc 60
agatccagga agcacttacc gcaccaggga tgagatttca ggtgtcaggc aggaacggga 120
tccaattgaa aggggttagaa agttgctttt gactcatgac ctggcaaata ctgctgagct 180
caagaatatg gagaaagaaa tcaggaaaca agtagatgac gctattgcta aagcaaagga 240
aagttctatg cctgatactt ctgaactctt cacaaatggt tataagaagg gcttcggcgt 300
ggagtcattt gggccagaca ggaaggagat gagagcttct cttccgtagg ttggcagcat 360

gatgaggcag tcctcattac atggtatgat agccaggaaa aataattntt gatgaaggcc 420
tcangcatta ttggaaatat nntatcggaa atg 453

<210> 23504
<211> 393
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A4

<400> 23504

ccgaggagga tcccgacgcc tccgctgccg agggatgggt ggacgagctc cggcgactgc 60
gcgtcgccga gctccgtcgc gacgtcgagc gatgcgatct ctctatcggg acgctgcagt 120
caaaagtgaa acggctgaaa gcggagcggg agcagagagc ctccggcgag gctgtgagcg 180
accacgatcg cctctcaagc gaggagcccg ggtgctcatg caggagtcg aactccacag 240
atctgaagcc gcccaaacat ccagccagc taggcgacgg gtctaaggag gagaaggttg 300
cgaaacagga agcgtccgtt gagtccggcg gcgattccaa agacagcagc gaagtgcgga 360
gctcggcgag cttgtgcccc cggcggcgtg gaa 393

<210> 23505
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A5

<400> 23505

gtgctctagc tgctgggcat tcgtgacggc ggcgacgac gagagcatca ccaaggtcac 60
gacagggagg ctggtgtcgc tgtcggagca ggagctgac gactgcgacc cctacgacgg 120
cggctgcaac ctgggctact tcgtgaacgg ctacaggtgg gtgatccaga acggcgggct 180
caccaccgag gccaaactacc cgtaccaggc gcggcggtac gcgtgcagcc gctccagggc 240
cgcccagcac gccgtcacca tcttcgacta cgtgcagctg ccggcggggc agggccagct 300
gcagcaggcg gtggcgagc agcccgtggc cgcgccatc gagatgggcg gcagcctgca 360
gttctacagc ggccgcgtct tctcggggca gtgcgggac 399

<210> 23506

<211> 177
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-A7

 <400> 23506

 acgcttatgc atccgctaca catcaagctc agattcaact atacataaac actatacatc 60
 gccacggcaa atttgcacag tattatcaat actatctata ctataatacc tcatacttta 120
 taacgtatgt actatcctac tatatataact aaatctatac taatgcatca tacatat 177

<210> 23507
 <211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-A9

 <400> 23507

 gaccgcacag gctcgggtgca tgtgacgcgt gcttgcgagt ctggccatac taagagcgga 60
 tggccggaca atggcctacc atagactgaa cggctgattg tcaatctcgg tctgtaccct 120
 aatagggagc ctgagaggcg actacagcat gccacgtacg caccatgcac gcagacgacc 180
 agacactgac acgaggagga tcacacactg aagaacagta tcagccgcct gactgaacga 240

<210> 23508
 <211> 331
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-B1

 <400> 23508

 cccacgcgtc cggaaggccc ggccgatgcc acggccacgg ccacgctggc tgcttaacgg 60
 accattgtgc cattgttgct gtgagagaga tgtgcgtcag ccaacatgtg tgctattgct 120
 ttggcttatt tgtgttcaga atccacttaa actcggtcga agtgagcttt ccgttcggca 180
 acgtctgtac tcttacgaat ctcgatcgtg tatgtcttta agtatttgtg tgtgtttcaa 240
 agataaaaaa aggtgacctt tgtgtatgat tttttataca cgttgtctct tagctgcatt 300
 gatagtctaa ggtctcagat ttgtaccatg c 331

<210> 23509
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-F5

 <400> 23509

```

cttcggcctc cacctatcac caccgggac gtcttccatg gcctcctcgt agtagagtag   60
ggctatctca ccgcaacagc tgctcattac atcctttatg agaggctgat cgattggtag  120
atacgtactc ggggtggagca gagcaacgag agacatggcg acgacgacgc gtgttgccgc  180
cgccgccacc ggcgtgctgc tggtcctgtc ggcgttggcg accctggcgc gggccgagga  240
cccgtacctg ttcttcgagt ggaagggtgac gtacgggacc aagtccctgc tgggcgtgcc  300
ccagaaggtc atcctcatca acggcgagtt ctccggtcca agatcaactg ctccttcacg  360
aacacatcgt cgtcaacgtc ttcaccagct cgaccatncg ctccttttac ctggaacggg  420
atg                                                                    423
  
```

<210> 23510
 <211> 398
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-F6

 <400> 23510

```

cacatcgtca ctcaactgcat cgttcgttca tccatcaact actggaaatt agagagccgg   60
atctcttggg cggagaacct gcgaggaagg actaaggagt cgaagatgac tgcggcggtg  120
ctgtccgtgc gcacgacgac gacgtcgctg ctagcagcag tcattcctgtg cctctgcata  180
gtctccctct cccccgcggg cgccgctgcc gcgcgggtct cccccggcgc cagcccgatc  240
gtggccacct gcatgacggg cccgtaccgg gagctgtgcg tgggggagct gggacagcgg  300
ctgctggacg tgcagacgtc gatcgcgctc gcggcgccc accagcgcgc ggccaggatc  360
gcgggcgccc cggngcaggt ggacgtcaag ggcgctgt                               398
  
```

<210> 23511

<211> 485
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-F8

 <400> 23511

 cccacgcgtc cgggccatcc agctccaggc gttccagagg ccctgataca ggagatgttc 60
 gagcacaacc caggggtgtc cagggagggc ctcggcctgt acataagcca gaagctggtg 120
 aaaacgatga gcggcacggt acagtacctt cgagaagcca acacctcgtc gttcatcatc 180
 ctgatggagt tcccagtcgc ccagctcagc agcaagcggc ccaagccttc gacgagtaaa 240
 ttctgaccct catgctcctg gaactgcagc gagtggtcgg ccgtgtcgaa gtctcggttg 300
 tagctagcca agtggctgct actgaaacat cggttggctg gttctggtat ctagcacggc 360
 ctgtgtagtg cggatagaat tggttgtttg gctttggaga gatataagct agctggctag 420
 gtgtaacgta acgtcgaccg ataactgtat gtgaatgatg atgagctgtg aggacgaata 480
 aaggc 485

<210> 23512
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-F9

 <400> 23512

 cggacgcgtg ggcactaatc caagacaaaa catggctgtg aatgtgagaa ccatgtggtc 60
 ggcgatgcgg gcacaggttg cgatggttgt ggcgttggtg ttcttggtga gcggcgcgtg 120
 gtgcggtcct cccaaagtcc ccccaggcaa gaacatcacg gccacctatg gcaaggactg 180
 gctggacgct aaagcgacat ggtatggcaa gccgacaggc gccgggtccc acgataacgg 240
 tggcggctgc ggggtacaagg acgtgaacaa gcccccttc aatagcatgg gcgcgtgcgg 300
 caacatcccc atcttcaagg atggtctggg ttgtgggtcc tgcttcgaga tcaaattgca 360
 taagccttgt gagtgtccg gcaagcccgt ggtggtgcac a 401

<210> 23513
 <211> 350
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-G1

<400> 23513

ggcatccacc gccgaggtgg cgtcccctgc cgctgatggg cctgctgagg gaccggcggc 60

tgctgatgcc tccggtgctg ctacccttgg aagcggagct gccatcgctg gtgtcgccgc 120

tgctgtcgct accatgatct tctactgagt tcaccagctg ggaccgtgtc gtcgagggtg 180

ggcacgtagt tggctgtgcg gtaattgctc gtctggtcgg gagggaccaa taacgcaagt 240

gttgctttgc tttgctcact tcgtttgctc ttgtaactnt atgggggtcaa ccgttatata 300

actgaaacga tttgattaat tgatactaata gctctctatc tgtcatgtat 350

<210> 23514

<211> 197

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G10

<400> 23514

cggacgcgtg ggcggacgcg tgggcggacg cgtgggctaa atagaaacaa tactgatggc 60

gcgaaacatg atcattgcgg tggctctact ccatgccacc tttcttgagg tggctagatc 120

tgattggggt ccaaaataac catcaaattc agatgacata cgaggtgctt gcatcacgga 180

gtgcaccata tataata 197

<210> 23515

<211> 163

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G11

<400> 23515

tcgtcacgtc ccacagccgt ccgctcactg cagccaccac gcacgcaagc gtcaacgaac 60

agaccagcgt cgcgtaaaat agagtgaaga gcgcgcagca tgaggatcat acagctcgag 120

catcttgggt gctacgccgc tcggcgctag tcggcagggc act 163

<210> 23516
 <211> 320
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-G12

 <400> 23516

 cccacgcgtc cgaaaagttt catcagtgtg gcaatggaca ttgatcctga atggaagatg 60
 atgaaacgtg acctcggtcg aattgagaaa tgggttatcc gtaatgcatt tgatgatgag 120
 gagaggccct atttacctaa gcacattctc tacaggcaaa aggaacagtt cagtgatggg 180
 gttgggtata gttggatcga tggattgaag gaccatgccg gccaacatgt ctccgattcc 240
 atgatgatga atgctggctt tgtttaccca gagaacacac ccacaacaaa agaaaggtag 300
 tactacagaa tgatattcga 320

<210> 23517
 <211> 334
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-G2

 <400> 23517

 cccacgcgtc cgcgtcactc actgcatcgt tcgttcatcc atcaactact ggaaattaga 60
 gagccggatc tcttgggtctg ataacctgcg aagaaggact aacgagtcta agatcactgc 120
 tgctgtgctg accgtgcgca cgacgacaac gtagctgcta gcagcaggca tcctgtgcct 180
 gtgcatcgtc tgectctgcc cccgcggcgc cgatgccgcg cgggtctacc ccggcgccag 240
 cccgatcgtg gtcacctgca tgacggtgct gtaccagag ctgtgcgtaa cgcgagctgg 300
 tacagcggct gctggacgtg cagacttcta tcgc 334

<210> 23518
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-G3

 <400> 23518

 cccacgcgtc cgcggacgcg tggggagaca agcggctgca gcgagcagca agccccgccg 60

gaagacgaga acaaggagaa agagcggcag ctggccaagg agaaggcgta cgcggcggag 120
aaggtcgtcc agcatgagat gctcaagtac gccaaggaga agggctctgt gtccccgacc 180
aacggcacgg ggtggtacag gggcatcgct cgggagttcg tggacgcca caacgagctc 240
cgcgcgcgct acggcgttgc ctccatgaag tgggacaacc agctggcgcg gcacgcgctg 300
cactggtcca acgccatgcg caaggactgc cagatccttc acagcggta ctagtacggc 360
tagagcgtgt tcaggagcta ctacgactgg aacgcct 397

<210> 23519

<211> 245

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G5

<400> 23519

ttcaccttcg aggccggcaa gacgtaccgt ctgcgcgtct gcaacaccgg tatcaaggcg 60
gggctcaact tccgcatgca gggccactac atgaagctgg tcgagctgga gggctaccac 120
accctgcaga acacgtacga ctgcgtcgac gtccacgtcg gccactgcct atacgcgctc 180
gtcgacgcct accagagacc cggccactac tacatggtgg cctatacgcg gttcatccac 240
gacgc 245

<210> 23520

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G6

<400> 23520

ctgccatcct ctccatcacg aagatggcgt tcatcagcaa tggcccaatg gaaggcgccg 60
gccttgcccg gcctgttggg gtcccaatgg tgtcggettg ccggccccc ggcgccggtg 120
ccggtgccgg aggggcgccc gtcggttccg gcgggtccgc tggacatcgc gcagctgggc 180
gccaagggcg acggcaagtc ggacagcacc ccgatgatcc tcaaggcgtg gaagaacgcg 240
tgcgaggcga cgggggtaca gaagatcgtc atcccgccgg gcaactacct gacgggcggg 300
ctggagctga agggcccctg caagtctcc atcatcatcc gtctcgacgg caacctgctc 360

ggcaccggcg acctcagcgc gtaccaaagg aactggatcg agatcgagaa cgtcgagAAC 420
ctgtccatca acggccacgg caccatcgac gggcagggag ccctggtgtg gagcaagaac 480
c 481

<210> 23521
<211> 291
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-019-Q1-K1-G7
<400> 23521

ctcacacgtt ctccatcact aaaatctcat ttatcagcaa tatcttcata gaaagacgtt 60
gcgcgttatc acactacttg tgagggcact tataataact gtaccacca actaatcatt 120
acctttgaca atagaaacac tctcacttta caactttata atgaacatca cacagaatTT 180
atctacagct tacctttcct tcttaagact attgaaaaag ctatacacgt tcattaacat 240
ttatcaggtg tcgcgaacct tgcacagtta ttataatgcc actttacag g 291

<210> 23522
<211> 412
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-G8
<400> 23522

aaggaatccg atccatccaa gccaagccaa ggcagagaag aagaagaaga ggaggaagaa 60
gaagcatcgg cagcatgtcg gaggggactg ccaactgcgt ggacatcctg atcgccatca 120
tcctgcctcc gctgggggtg ttctcaagt acgggtgcgg ccacgagttc tggatctgcc 180
tcctcctcac ctctctcggc tacatccccg gcacatccta cgccatctac gccatcacca 240
agaacaacta gctagtcac cttgccgacg acgatccatg tctctgtatc tgcgtctgtt 300
catatgcctg atgccgactt gtgctgtatg tagttgcttg aattcagtcg tgttttgcta 360
ccgtaccac cccatgcac atctgtcacc gcgacgcant aatcataagt at 412

<210> 23523

<211> 330
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-G9

<400> 23523

```

cccacgcgtc cgcgacgcg tgggcagccg aactagttca cagattgagt gttctttgga    60
atgtcctgta gtctgttcga tatcactgta cgactcttgt atggaagcaa cagacagtga   120
tcataaacct gtcaaagcgc tgttcaattt agatattgct catgtggaca aacaaacaat   180
gaggcagaag tatggagaaa taatgagttc aaataaggaa gtgcttgact cacttcaggg   240
cttggaggct ttgcctgaag tagatatcag cacgaatgac atcatgctgc aagatcaaaa   300
cccttntgtt gtgaaactgc attacagaag                                     330
  
```

<210> 23524
 <211> 395
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-H1

<400> 23524

```

cccacgcgtc cgcccacgcg tccgtctaga tctctctcga tcagattatc ttgataatga    60
actttccagc ttggcaaact ggttggaggg atcttatcag aagtctaccg gcaaactagt   120
cattcccttg gagaatggaa acagtcttac tttgcaactt gataaggaag cagacaagga   180
attcatgtcc agcttggctt cccttcttaa gactattgaa agggcgatcc aggttcatga   240
agattttctc ggtgtcgtga accctgcaga gttattagaa tgccacttca cagggttgaa   300
ggctctggag aatgaatatg gttctgggtg aactgttaag cagggaacag aaatagttca   360
gagagctgtc accaaatcat tccagtcctt acatg                                     395
  
```

<210> 23525
 <211> 384
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-F4

<400> 23525

cccacgcgtc cgatccccgag ggacgtgtgg gagaagatct acacctgggt cgccaagccc 60
 gggggccgggg tcatgatcat ggacccttac ggccgagga tcagctccat cccgcaggat 120
 ggcacgccgt ttccgcaccg gcagggcggtg ctgttcaaca tccagtacgt cagctactgg 180
 ttcggcgagg ggcacggggc gccgccgacg cagtggagca gggacatgta cgcgttcattg 240
 gagccgtacg tcagcaagaa ccctaggcag gcgtagcca actacaggga cctcgacctt 300
 ggcgtcaacg aggtggtcgg cgacgtctcc acctacgaca gcggcagggg ctggggcgag 360
 aagtactaca atggcaactt cgag 384

<210> 23526

<211> 232

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-D7

<400> 23526

gaggagggcc ggcgtcggcg tgcctagctc gatcttgaac catagctagc cagcatgggt 60
 gccagcatca gcatagcagt actgctgctc ctctcgtcgc cgtcgtcct ctccaacgtc 120
 cccttctcgg ggcacctggc ctctcgtcgc tctctctgc tgcaccagtc gtctccgtct 180
 gagagtgaga ctgagaccga cagtagcagc ggagaatctt cgtcgtcgtc gt 232

<210> 23527

<211> 482

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-D8

<400> 23527

gtaaaggaag accaaatttc cccaaagaaa tccgacgagg aaacggaatc agtggttggtg 60
 gagctgagcg cccgtcagat cacacttttg ctatcatcca tttggggtca agcaacatcc 120
 cctgaaaata ctctgtgaa ctatgaagcc attgctcata cttacagttt gcttctactg 180
 ttctctggat ccaaggcatc aacttttgag gctcttacc agagttttca ggttgcatctt 240
 tctttgagga gctatgcgct cactgaagca gattcattac aaccgtctcg gcgtcgggtca 300
 ttgtttactc tgcgacagc catgattatt ttctcgtcaa gagcttataa tgtgttgcca 360

ctcattccaa tctgtaaaca aatgatcaat gatcgcgcg cccgatccatt cctttcgttg 420
 gtggatgaga gcaaacttac agctgtcaaa gattgttcaa atgatccttc aaaatatatg 480
 ga 482

<210> 23528
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-E1
 <400> 23528

cccacgcgtc cgctcgatca tcgacatgga cgcggacgtg atcaccattg agaactcgcg 60
 ggccgacgag aagctgctct ccgtgttccg cgagggcgtc aagtacggcg cgggcatcgg 120
 ccccggtgtc tacgacatcc actccccag gatcccgctg gctgaggaga tcgccgaccg 180
 catcgacaag atgctggcgg tgctggacac caacatcctc tgggtgaacc ccgactgcgg 240
 cctcaagacc cgcaagtaca cggaggtcaa gcccgccctg accaacaatg tctccgccgc 300
 taagctcatc cgcaccacgc tcgccagcgc caagtgaagc cctttttttg cccttttcgt 360
 tccgaggagg cgctcgatgat gccaaattgt tccaataaca gggctgtgcc cggccgtctg 420
 ttgtacttcg gctgtgggta gggtaagagg tttcctt 457

<210> 23529
 <211> 363
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-E10
 <400> 23529

cccacgcgtc cggaaactat cgccagcaaa gggagagcgc cgaggtgaga gagataatgc 60
 ggtggtggtg ctcattggtc aatgaatggg ggtgtcgggc tatgcgcggt tgacgtcctc 120
 atcgaagcaa accccttcac cgcttggttc ctcgtgccgt ggccctgngaa gtcgatgact 180
 gctcatcatg gtaggaggcc ccgaccgacc gtgcaatcgt gtgccgacgc tgtggctgtg 240
 cgccaatgaa atcacgaccg gagaggaaaa gatcaacatt aacaaggaag gatgtaacag 300

tcaaagcgaa tctcgagatg aatcaagact tagatttttc agatgaagtt tttcctatct 360
 ttc 363

<210> 23530
 <211> 359
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-E11
 <400> 23530

ataagatggc gtgtatagac aatgcaatga gagccttggt ccttttagcg ctcttctgtg 60
 tgggtgcatgg tgagaaggca aagtcaaagg acaacgatgc aaaagcgtcc gggcccgggtg 120
 ggtccttcga catcaccaag ttggggcgct cgggcaatgg caagacggat agcacgaagg 180
 ctgtgcaaga ggcgtgggca tcagcgtgcg gcggcaccgg gaagcagacg atcctcatcc 240
 ccaagggcga cttcctcgtc ggaccactca acttcacagg cccatgcaag ggcgacgtga 300
 ccatccaggt gaatggcaat ctgctggcga ccactgacct aagccagtac aaggatcat 359

<210> 23531
 <211> 144
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-E12
 <400> 23531

ccggccaata tttttgccgt gaaatttgtg ttctgcaact atggacgtct cctttgttgc 60
 tgtataaggc atgatttgcc atcattctgt tgcttcgggt atgcttgcaa tgcaatgaga 120
 atgtgttgga acgagatggt ttgt 144

<210> 23532
 <211> 339
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-E2
 <400> 23532

cctttctctt agcaggaggt gaggaaaggg gacggaagca cgcagaccgg gtcggatcca 60

gcggcccgcg gaacggatcg aggccaccgg catcctcggc tcgcgtcgcg tcgcgggcgcc 120
gagctcgaaa tccccggatc ggtgcagctg cccctcgccg ccgcccgata acgcgggcggg 180
aggggtggtgg cctgtcgatc tcgcgggcggg agctgggttaa ctacctgcca atttgtggat 240
ttgtgtgctg gcttgatctt ggtgcgtgtg tgggtggtgt gagtcgcccg cgtgggggtgt 300
cggagctagg gtttgggcgt tcaggatgac ggcgcccgt 339

<210> 23533
<211> 284
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E3

<400> 23533

acgaaccac cttgttttgc cccacccttc cttttttttt gtatataatc agcttcagct 60
gcctgcatgg cataagcctt gcctgttcag ggtgattcca tgtccctaaa tactcaatca 120
gctcttggtta caaaaaaaaa aaaaaaaaaa aaaaaaata aaaaaataaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaata aatataataa aaaaaaata aaaaaataa aaaacaaaaa 240
aatgaataat aaaaaaaaac aaagttaaaa aaaagggggg cccc 284

<210> 23534
<211> 332
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E5

<400> 23534

cggacgcgtg ggcgatcgcc aataatggag tttccgcacc accaccacca ccacgggcat 60
ggccgcgacg acgacgaaga cgaccgcaga ggcccgctc ccccggtcta cggcggttac 120
ggccagccac cgccaccga cccgtacggc cgcgcgcccg tcgacccga tccgtacggt 180
cgacctccgc cccagtccgc gtacgggtggg gccggggacg cctacggcca cagcgggcaa 240
ggctacgcgc ccccgccggc ctacggcgcc gggggcggt acggcaacgt cgtccacgtc 300
gcgcacgagg tcggcgacga gaggccttac ta 332

<210> 23535

<211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-E6

 <400> 23535

 cccacgcgtc cgccacgcg tccgccacg cgtccgttca cgcgtccggg aaaaatggga 60
 gaaagctata tccaacctct caacatatgc cacatgtgca cctgggtccag tttcatacgt 120
 caatgagaaa gatgtggaga ctacgttgac catatttgga tcttttgagt tcagcttaga 180
 agcaatgcc aaaaattcaa gaattttttt catggctctt gcagctatct cttgggaaga 240

<210> 23536
 <211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-E8

 <400> 23536

 cggacgcgtg ggccgacgcg tggggcgagg tgcacgacgc cgctaccctt cttcggtcc 60
 gttggcaacg gtttgaggca cgactcggac agccagccct ccgacgaagc cttatggatc 120
 accgatttca gaaggcacct cgcgttcggc acgtcgagcg ccagatcgtc tagagagtcg 180
 atcaaacggt cgaacccttt agtgatctgg ctctcgttga taacgccttc cttcgacgcc 240
 gaagaagggt agcgaggtcg acgactccgt ggtgcggcag ttcaaggata aggacgtttt 300
 gatcataaag gactact 317

<210> 23537
 <211> 345
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-F1

 <400> 23537

 gccacgcgac cgatggatcc tgcgtaagca tatgcggtct cagacagaat ggtagatata 60
 gctatggcta tgcaagctat catggcaaaa gggcatacat ggaatacttt tatgagacaa 120
 agattgattg agctgattgt cagataggtg tatctcactg gagtgctgtg atagtacatg 180

gcggtgctaa tgtatcatag tatgtcaaag aaaacctgtt caacaatctt gttagacata 240
 caaagttcat cagagatact aaagtcgcta tagatgatgc ttatgaaagc accaacagat 300
 aattcataca atctgactgt actgaaatca atgctgttct actgc 345

<210> 23538
 <211> 437
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-F10
 <400> 23538

aaacagccga gcgatctcct ctccctctcc ctctccgatc cattctccag cgcagcgaag 60
 ggaacatgtc tgaccgggca aagatgtcgt ggcaggcgta cgtggacgag cacctgatgt 120
 gcgagatcga gggccaccac ctgcggcgcg cgcccatcgt cggccacgac ggtgccgcct 180
 gggcgagag cacggcggtc cccgagttca agaccgagga catggccaac atcatgaagg 240
 acttcgacga gccagggcac ctgcgcgcga caggcctgtt cctcggacct accaagtaca 300
 tggatcatcca aagcgagcct ggtgccgtca tccgtggcaa gaaaggatca ggaagcatca 360
 ccgtgaagag acagggcagg cactcgtcgt ggcattctacg acgagccgat gacgcctggg 420
 cagttgcaca tgggtgt 437

<210> 23539
 <211> 194
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-F11
 <400> 23539

cggacgcgtg ggctctatat gcatactctct ctgctctgcc ttgttggtg gctcttctca 60
 tgattcccta gcagatcgcg tagtattagt tgcattgatt atattgatga tgcaggtatt 120
 tcgtcgagca acaaggcgta ctatcaattg tttttgtaat acccaaaatt agtgaataaa 180
 gggaaactgg ttat 194

<210> 23540
 <211> 396
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-F12

<400> 23540

ttccccgggct ctgtaatcag cagtatagat gctacagttg agcgcccttgc agcatcaaat 60

gtgtttcttta tagccaagcg gaaaaatgca aacatggatg ttctgtatct gtccgcgaag 120

atgccccgcg gaatccccctt tcttatagag gttacagctg cggttggtgt tcctggtgtg 180

aaatgtgcag tcaaaactcc aaatagagag atggttcctc tcttctttga agctatggag 240

gctctcacca agtgacgcca aagttaatgg atatgtggtt ctacaaaaaa ttatcagtcg 300

atgagctgct ataggtgttt ggatgcggca tttttttttc acggaaagct tgtgtgaatg 360

gtaatttttg gattagatta cagtatttaa actgat 396

<210> 23541

<211> 460

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-F2

<400> 23541

cccacgcgtc cgaccgtcac cgcgcctcgc cgccggggcg tcacaatggc ctaccgccgg 60

aggcctgagc cccatccgca gccccagccc acgcctcgtg tggagcacca ctaccgcgtg 120

tccgtggggc ccgcctcacc cgactccctt gccgcgcagg ccatgcgcgc cttcgccgca 180

caccgcgatg cctnctccct cacctccgcc tactccgcct cagcctcgtg ggcggcctct 240

cgccggagcc accacgagcc ctccgtgtcc acaccgtccc tggatagttc aggctatgaa 300

tacacgtcca tgaagaacct caacgaggcc aagtatggat tctggggcac acttgccggg 360

aaggcaaagt catttcttga cgaggactgc tccccgagc aatacaaac gccaaagat 420

gatgtgcatg tnggtgtcca gcttcacat tcaaaacaat 460

<210> 23542

<211> 372

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-D6

<400> 23542

acaggatgga cctcctggag acgtccgccg ctgtccgcaa gagcttctca gatcggcact 60
ggacggcgcg gatcgagaac ctgacctca actgcctgga ttcttcggg agacccaacg 120
tcgatacccg ggaataccgg gtgtttgtag gcacatggaa tgtgggaggg aagcctnctg 180
acagcagcgt taacctcgaa gagtttctgc agattgaggg attgcccgat atatacgtct 240
tggggtttca ggagatcgtg cctctgaacg cgggcaacgt gctggtcgtg gaggacaacg 300
aagccgcngg caagtggatg gagctcatct accaggccct gaacaggccg ccggcccacc 360
aggacgggga gt 372

<210> 23543

<211> 465

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-F3

<400> 23543

aaagcagcaa gagcagctcc ttcagcaata taaattgggc agttcaccgc agcgacagca 60
tgatggacag catctctaca tcaaagggcc agctctgttt gagaatgatg acccgccacc 120
gggtcaagccg ctgggaacaa ggtgccagct ctgcaagctt gatgttgctt tccggacaca 180
aggggatgct ggccgtgatg ccaatgctcc accagtcatt gcagttttgg catgccacca 240
tgtgttccac agcaggtgca ttgaatctgt ttacgggctc gctgagcctg ctgagtgcct 300
tgctgctg gagtccggtg cagcgccactg attgctaacc agatacacca ggtcaagagt 360
ctgaagtgct ccatntctgt gggccttttag atggtgtaag taggctacca ttggagttca 420
ataggagct tgaattatgg gacatgtcac atgtctgata tatat 465

<210> 23544

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-C10

<400> 23544

cggacgcgtg ggctacattg caaaacatgg taatttagtc aaaagattct agagcttctg 60
aggttgtgcg atatatgtta ggagataaga catgcacaag gtgctcatca acccaccttc 120
agaagctcta gaatcttttg actacattgc aaaacatggg aatttcagtt ttacagagag 180
gtttgccgtg aagtatgctg gtgctgoggc catgtacatg gtatctaaga aactaaagaa 240
gaaatacaac ataactgacg agcgtgcttc attgtatgat gctgccaata catggatoga 300
cgcaactgaac ggaagagatt tcctgggtgg ctccaagcct aacttggcag atcttgccgt 360
cttcgggtgtt ctgagaccta tccggtactt gagagcanga aaagatatgg ttgagaacac 420
tgaaatcggc gattggtacc gacgcatgga 450

<210> 23545

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C11

<400> 23545

actcctactc attcactaca ttgccaaaca tgtttcttca ttcatatgat tctttacctc 60
aaaagctcct gttataaatc acgtgagact tgacatgcac actagtacta atcaacccat 120
catctcaaac catcgcatct ttttactaca tttcaaaact ttcacacatc tggtatacca 180
acatcttata cccgaacaat tctttctacat catacatctc catctcatct aataaaactaa 240
aaaaaatata caacata 257

<210> 23546

<211> 244

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C2

<400> 23546

gctgttttta tcaaaaaaaaa aaaataaaaa aataaaaaaa aaaaaaaaaa aataaaaaaa 60
aagaaaaaga aaaaaaaaaa agaaaataaa aataaaaaaa aaaaaaaaaa aaaaaaaaaa 120
ataaaaaaaaa aaaaaaaaaa aaaaaataaa aaaaatacaa aaaaaaaaaa ataaaaaaaa 180

aagggccaac ttttaatatg ttcaaaaatt actatacgct aaaatgaact tcatttttctt 240
tatt 244

<210> 23547
<211> 361
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-C3

<400> 23547

acgctccgcc ttcctcttcc agtccccgcg cgcgagatcg ccgccccgtg tgggcccctag 60
atcgcgatgg cgctcgcgcc gccgcaccct gctcaaggct atcatcctcg gcgatagtgg 120
ggttgggaag acttccttga tgaaccaata tgtgaacaag aagttcagca atcagtacaa 180
ggctacgatc ggcgcggatt tcctcaccaa ggaggtgcag ttcgaggaca ggctcttcac 240
tctgcaaata tgggacactg ctggccagga naggtttcag agtctcggcg ttgcattcta 300
ccggggagca cattgttgtg tcctagtcta tgatgttaat tctatgaaat catttgacaa 360
c 361

<210> 23548
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C4

<400> 23548

cccacgcgtc cgcccacgcg tccgcggacg cgtgggtgcg aggctgccat cgcaatgtac 60
ctgaacgtct cctgcatccc cgaggcgagc gcgatcatcg gctcgagcgt cgctatccct 120
ttcctcgta atggcctagg ggaaggtggc tcccggagcg acacgtgccg cctggacgcg 180
ctgctacccc tgtacaacct ctccctgcac gcgccaaca tcccgtccct catggcgctc 240
ggcatcatcg agggcctccg gggagtgcgt acgccgtcgt ccccgaggac ggacaaggcc 300
ctcgcggtgc tgctgaacct ggcgatgacc cggaggggca aggaagagat cgcggccagc 360
gcggccatgg tgggcgccat cgtgctcatc ctggacaacg gtgagccccg gggagaagag 420
aaggccgtgt cgtgtctgta cgtgatct 448

<210> 23549
 <211> 449
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C6

<400> 23549

gaggaagctg ttttccttgg gagatcggag gacacgccag agtctgcagc taggaaattg 60
 gcagagattg cttactctcg cggcagcgct gacaatatca catgcatcgt ggtccaattt 120
 caccatgaca aaaccggatg agccgtatgg ctgccaaattt cagttgtacc ctgcttcagt 180
 ctattattat cctgcaagct ggggtggtggc ctgggtgggct tctcccagat ttaccctgct 240
 tcatgctatt attatcctgc aagccggggcg gtgggggtttc tcagatctat cgctcatgta 300
 gcaactttca agcactcgtc cattgattct tttgttgtct tgtaggaaac atttgttccg 360
 acaggtgtag tagacacttt taaactgata attcaataaa cgatatgttta cggttactgg 420
 ttagtgga aa ttggttttca ttttgcctt 449

<210> 23550
 <211> 440
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-C7

<400> 23550

atcagagcaa gcttctcgag gtgattgatg ctagtgagtt gccagaaatt tttggtggaa 60
 gctgccgatg tgaaggtggg tgcataaggg ctgacaaagg cccttggaag gaccccgaaa 120
 tcatgaagat ggttcaaagt ggtgatggga ggtgtggatc actcggtagc gcctctttcg 180
 aggctccgga gaaaatgatt tgtgaagacg acacgtatcc taagaaacaa gctttgtttg 240
 atggggaaac acaattagct ggagacgagc attctcagtc acagaaaatt tcccgtaggc 300
 ggattgaaca tcttcacgtg tcacctcttc acgaggaact tatecncact tcaattcata 360
 cccctggatc accctattct tgtgatgtcc cgatgggtga agaggccata gacgccatct 420
 gcaagagcca cggaacacca 440

<210> 23551
 <211> 226
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-C8

 <400> 23551

 accacgcgtc cgtccacgcg tccgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 agaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa taaaaaaaaa aaataaaaca aaaagaacaa 180
 ataaataaaa aatgcaaaaa cttaaaaaga taaatatgac aataaa 226

<210> 23552
 <211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-C9

 <400> 23552

 gttgatcagt ggttgagaag ccaagaaggt gactgcaagg ctataataaa tttgtacaag 60
 gagcagttgc ttcaagcact gcaggctgat aatgagttga ggaggattgc acaggacatc 120
 tcaattcaag ggagggtataa aagccgtttc agtactatga agaagctagt aaaagatgga 180
 cggaagccag aagaagttaa agacattcta ggtttgaggg taatcttgga gcctcggtgt 240
 ggtggcaatt catctgattg gggccctagg gcttgccaca ggacacattg aaatattcaa 300
 gctatgtgga aggaaat 317

<210> 23553
 <211> 432
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-D10

 <400> 23553

 ccgggcaaag atgtcgtggc aggcgtacgt ggacgagcac ctgatgtgcg agatcgaggg 60
 cggccagctc gcggcggcgg ccatcgtcgg ccacgacggt gccgcctggg cgcagagcac 120

ggcgttcccc gagttcatga ccgangacat ggtcaacatc atgaaggact tgcacgagcc 180
 agggcacctc gcgccgacag gcctgttctt cggacctacc aagtacatgg tcattcaagg 240
 cgagcctggg gccgtcatcc gtggcaagaa cggatcagga ggcacaccg tgcagaagac 300
 agggcatgca ctcgctgttg gcatctacga cgagccgatt acgcctgggc agtgcaacat 360
 ggtgggtggaa aggctgggag actacctgct tgaacagggc atgtaactac tacgtaccaa 420
 ctggcatgca tg 432

<210> 23554
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-D11
 <400> 23554

gtatgtatct gcactcactc catggagatt aaaatgaagt cttactttct tatgtgctaa 60
 tgagagcttg gacatgttat atgtctcttt ccgtgcacaa ttactgggtga tataaatctc 120
 aaaatgttat gaccaatttc aatatatttc agaaattaat attactaggt aactcatgta 180
 taatggttgc tttttaagca aatgccaaac aatatagag aaggggggatt caaacagata 240
 tgatcttgca ctatttacia tcttggttaac catcttgtct atttctctta aaatgttact 300
 cagatgatga tttgtattca atacattcac caatggccga caaagatgac aatgatgagg 360
 acgaggccaa acacctgctg ccagctccat ccaacgacca gctttctgta gatgtaccgc 420
 caaagctagc gaaagatctt ctctgaacca ctccatg 457

<210> 23555
 <211> 453
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-D12
 <400> 23555

gaggaggaag ggttaaggat ttacccggtg tgagatatcg cattattcga ggaaccctag 60
 gtgctgtcgc agtaaagaat cgtcaacaag ggcgttctag tgcgttgtag attcttatcc 120
 aagacttgta tcatttgatg atgccatgtg aatcgctaga aacatgtgaa gtgtatggct 180

aacccaataa cgaaagtttc gtaaggggac tggagcaggc taccatgaga caaaagatct 240
tcttttctaaa gagattcgat tcggaactct tatatgtcca aagttaatat ggaaattctt 300
tcagagggtt tcccttactt tgtccgtgtc aacaaacaat tcgaaatacc tcgacttttt 360
cagaacaggt ccgagtcaaa tagcaatgat tcgaaacact tctttttcca ttacactatt 420
tcggaaacct aaggactcga tcgtatggat atg 453

<210> 23556

<211> 421

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-D2

<400> 23556

actagccaga gatctgaagt gtatgtggat acagatcaat gtgagctgca attttgtgaa 60
cgtgtagagc tggcaacagg aacagccgaa caggaccacg tcaatggaag tgggagcagc 120
cgccgcgggc aagctgaatg cggagctggt tcagtgggtg gcgttcggcc gcgtgatccc 180
gttcatggag ttgtccaagc gcctggcgcc gaggtggccg cgccgtcacc ttcctctcca 240
tgcagaggaa cgtagccaga ctccgcgccg tcatggaggg cctgcctgcc cgagggcgcc 300
aagttcacgg ccgacgtgcc gtengagaag cactgttagc aacaatacaa gaaagacgtc 360
agaagctcac cagcactgaa gatggagcac tgaagatgga aaagctgacc aacaatactg 420
a 421

<210> 23557

<211> 394

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-D3

<400> 23557

aaagtatttc ctgcaattcg aagtttccaa gaatatggtg tagagtttac aaatggtagg 60
ggtgaatcat ttgatgttgt gattcttgcc acaggttata agagtaatgt tccttattgg 120
ttgaaggaga atgaattttt ttcacagcaa agtggatttc caaacaacc aaatgaatgg 180

aaaggaaagg atggactcta tgctgctggg ttctcaaggc gtggtctact tgggtgtgtct 240
atggatgccca ccaaaattgc ggaggatatt ggcgagtctt ataataatat atataagcta 300
caaagatcat aagaacaaat gatatttaac tatttatcaa taatttagct atcaccattt 360
gagagttntg taaatatatg tactagtcta tttg 394

<210> 23558
<211> 477
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-019-Q1-K1-D4
<400> 23558

gagtttatct agctgtctgg ttccctttgc ccaatctctc tctccgtcc ctccgccggt 60
gcgcccgggt cgcccttcgg gacgcgcgc cggaaaccct agctccaccg atctatctct 120
ctccagccca ggcaggggga ggagatggcg gcggcgccag cggcgggagg gcagggaggc 180
gggggtatgg acgcgcgcgt cctcgacgac atcatagcc gtctgctcga ggtgcggacc 240
gcgcgccccg ggaagcatgt gcagctctcc gagtcggaga tccgccagct ctgcaccgtc 300
tcccgcgaga tcttctctca ccaacccaac cttctcgagc tcgaggcgcc catcaagatc 360
tgcggtgaca tccatggtca atacagggat cttctaaagg ctttttgata tggaggcttt 420
ccctctgagc ccaatatcca ttctaggggtg atatgggtgat cgaggcaaac aaagttg 477

<210> 23559
<211> 378
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-019-Q1-K1-C1
<400> 23559

atttggttgg gcgacggggt ccagtacagg cagcttgac agcaaaggag ctgcgtgaaa 60
gttttaggtt gaaaaatgtc cgtatttgca tcaaggcagc tgatctcgtg accacacctg 120
cggacgagga ggagatgagg aatagtagaa taaaagaag agtttatgaa ttgttgtcaa 180
aaactgcgca tgggggcaac aattacaatg gccaaaagga gcttcatttt gtgtttttca 240
ggaaacctat caggttcac cctgcagaaa atggttccac ggttggtgct gttcaacttg 300

agaagacagt attaaaaggt gatgaagtaa ctgggaagca ggtcgtgct ggaactggtg 360
 aggttgaaga cctaaaat 378

<210> 23560
 <211> 384
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-A5
 <400> 23560

cccacgcgtc cgcctcttca tagagcgcgt cggggtcggg ggaggacctg tcgatttggc 60
 atgagctgcc gattcaatca tctccggat aggaatctgg ctattgcctc tgccagaatg 120
 aagggagaat atcctgagag agcgggacag ccagagtgtc agtattatct gaagactgga 180
 acatgcaagt ttggccctac atgcaaattt caccatccca gggaaaaggc tggaattgca 240
 gggaggggtgc agctaaacac atcaggatat ccactccgcc cgaatgaaaa ggagtgtgca 300
 tattatntaa aaacaggaca ctgtaaatat gcanatactn gtanattcac catccggact 360
 tttcaatgtg gtgctttcgt cacg 384

<210> 23561
 <211> 243
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-A6
 <400> 23561

attccctgtc gaccgcacgc gtacccccac gcttccgct cttcatagag cgcgtctttt 60
 tctacagatg acctctctat gtgccagtat ctttcaatgc aatcatcctc catataagaa 120
 tcttgctatt gtctcttcca taatcaaacc agaatacct taaaaatctt tacaaccaa 180
 atttcaactca tatttcaaga ctctaacatt ccatttttac cctacattca aatttcacca 240
 ttc 243

<210> 23562
 <211> 156
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-A7
 <400> 23562

aacctaactc ttaactctgc cacaactata ctttaaaatt ctaatacatc ttcacttaca 60
 taaacacctt tttatatact aaccaaaca ttcattcatc tacctacatt caaattccac 120
 catattcccc tacaatctct aatcacatac tcacaa 156

<210> 23563
 <211> 283
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-A8
 <400> 23563

ctctctcctg tcctacctgt tcgctctcgg ctccctcca tctctttcgc cgcgcgcgcg 60
 ggaggatgga gaggaaacag ctagcagcga gcgaggaacg aagaggggtgc ttcgcacgtg 120
 catgtgagat ctgtcgatcc cgatcgctcg acggcgcgaa ttgaactata cgaagactta 180
 cgtgctacca ccgcggtcgt tggatcattc caggctgagc aatgggcaag atcaagtacc 240
 acgtggtggc acgctgatca ctggtagtag cggagcacta cgg 283

<210> 23564
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-A9
 <400> 23564

ccagcgcgga ggatgactcg cttccaaaag aagctcagat ttccatcatc cccgatcagg 60
 atgagctaca tgatttccca gcctatgcta cttgatttgc ctccaataat tatgtttgat 120
 gtagaaaaaa acaccatttt ggaagcgcag gggcaactga gcaacactat gtattaacta 180
 tctcgtagat actacagcag aggtctcttg taaagcaggt tgagacgatc attctgcagt 240
 tcttattata taggatgatt acgaaggtaa catgtttggg acagtaacat ttgcttgaaa 300
 tgtatatagt ctacaacaag aataatgccg gcattcttga aatgtatcgc ctaggagaat 360

gctagcactt acgggtgtga cgaacgatct gctgtcgggt gagatgaaaa ggcgttcgcc 420
 ttctattaag gatgtaaag gtacaaaaag atgt 454

<210> 23565
 <211> 286
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-B1
 <400> 23565

tacataattc ttcacatct acactgtttg agatatactt cctcctcata acatcaagca 60
 tgttgataga tttaagccaa cataactccca tcacatttaa tatattcaac atccttatca 120
 acttaatcct tatcgatatt attcaattcc taaatagata cctgatccca aagacataaa 180
 tcctcaatca tcatatcact attattatcc tacatctaatt cctacaatga tacctaattcc 240
 ataatacaac ctaccattta atcttaacaa aattcacaat cctaac 286

<210> 23566
 <211> 113
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-B10
 <400> 23566

cgaacttgga catgtttgtc tcacaacggt agatcactct ttgtgttctg ttgattgata 60
 tcttaaattt gcgcaacgtg ttgagtcctt ttgagatttt ttagatctgt gct 113

<210> 23567
 <211> 448
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-B11
 <400> 23567

cacattcaag cacctcctct tccccgccg ggcaacaact cagccgccgc aaccgccaca 60
 tgagccatgg gcgcctgcgc aaccaagccc aagacgcttg aggggcaggc cccagctgag 120
 gccgccgtct ccacacccaa ggttgcgccc gaggccactc caatctccgt tgaggttgcg 180

gctgatgaac aggtagctga gaaggtggtg gtggaggagc cggctgcggc ggccgacgtt 240
gagcatcaga aggctaata ggtgctcgct ccagaggcgg ccgtcgccga gcccgaccac 300
aaggaggagg aagccgtgga gaagaccgtc gtcgaagagg agaagccagc ggcagcagcc 360
catgcagagg aaaaggtcgc caccgtcgcc gagaccacga cgacggtgga ggcgaagaag 420
aacgccgagg agggccggaa ggagaagc 448

<210> 23568

<211> 276

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-B12

<400> 23568

ccttctaggg gcctcccttt tttttttttt tttttttttt tttatttttt tttatttttt 60
catcggttttg tttcaattta tagtccttac atcttaccct ttattttcat taaccatctg 120
accttaccta tccacataca atatctcacc ttaacaattt taaaatcaaa aaaacatcta 180
ttttataatc acatatataa tcaattcatt ttccatcatc caaatcttac ttaactcgca 240
aaaccttaca ttcctaata ttaactccct ccaaaa 276

<210> 23569

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-B2

<400> 23569

gatactgccg agctcaccgc cgtgctccac cacttggcgt tctgccgcca ggctaccacg 60
acaaccgccg tgatggcacc gcaacagcaa ggcggtggca tggctgacct cgacgtcacg 120
tcctccaacc agccgcttct cccaacgag cagcaagaag tcgttgacgc actctacgtg 180
aatcacgaag ctacaccgc catccttcaa accgacgagg tcgtccaccg ccacggtgga 240
ggccacagcc ccaccgatga tcatcacggt gagcagcaac agcagcagct cttcgactac 300
ttctattacg atgccaccgn cagcgacgat gcaagtagca agcctaccat agacatcaac 360
ctcgacaaca tgcaacaatt cgatnttgac gatagttgtg cccgcggcga gaaagtggat 420

ctggctccgg cagctggggg at

442

<210> 23570

<211> 475

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-B3

<400> 23570

cccacgcgtc cgcccacgcy tccgcccacg cgtccgcaaa acatcacctc catctcgctc 60

aggctcgaggt tctcaaagag cagctgctgt agctgctcta tcctctgtgc tgactgctga 120

gcaatctgga tcttcagaat ttctacgata caaagctagc aacacagcat ataagactga 180

tgtcgaccgg attgtcataa ctccagctgg cccatcaggc ccatcttctc ctcaagtctga 240

agctgggggag tccaatgtgt ttcaccagga aaaagatact gcagcagatg gggcaccgcc 300

tgacactgat ggagcagtgg ctgaggccgg ataggaagaa acaacggaaa atgttggtga 360

agcgacattt agctatgacc gcttgatata caaatccacc gatccagttc gtgggataga 420

ttacanacgc agagaggcat acttatcaga tagtgaattc aaactgtttt ggcat 475

<210> 23571

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-B4

<400> 23571

gtgatttgaa ataattggga ataaatagtt cgtgaatccc tgaagcgtgc atatatatat 60

gcctgcgaag ataaaggtaa tggagtcgtc acgcaggttc cagccggccg tcatcctgct 120

tctcctgctc attgtgtcca ccgatatggc acaggcaagg gaatgcgaga agtacagtga 180

gcgatttggt ggggcatgca tgatgcgaga caactgcgcc aatgtgtgcc gcggtgaggg 240

cttcttggcc ggcaggtgca gcacctccg ccgncgctgc atctgcacta ggcagtgcta 300

aacaagatcg ctcgatcgct cgccatgcat cgacaaccta ttcttaataa cgttcattat 360

ctcgttctta attatgacga atgtcatgta tgttctggtg actgtcatgt atattctgat 420

gactgtcatg tatcttggtc atgtatgctc

450

<210> 23572

<211> 315

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-B5

<400> 23572

tccaggcacg cgttcgccca cgcgtccgct caacatcacc tccatctctc tcaggtctac 60

gtgtctcaaa cagcagctgc tgtagctgct ctatcctctg tgctgactgc tgagcaatct 120

ggatcttcag aatttctacg atccaaagct agcaacacag catataagac tgatgtcgac 180

cgcattgtca taactccagc tggcccatca ggcccatctt ctctcagtc tgaagctggg 240

gagtccaatg tgtttcacca ggaaaaagat actgcagcag atggggcacc tcctgacact 300

cattgagcac tggct 315

<210> 23573

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-B6

<400> 23573

cccacgcgtc cgcccacgcg tccgaccaca ccgttctctc gagcccagga gcaggcccg 60

gccaggagga agtttgttct ttttaacaata tgtcgaggga ggagaatgtt tacatggcca 120

agttggctga gcaggctgaa aggtatgagg agatgggtga gtatatggag aaggtggcta 180

agactgtaga tgtggaagag ctactgttg aggagcgtaa ctttctgtct gttgcataca 240

agaatgtgat tggggctcgc cgcgcttcat ggcgattgt ttcttccatt gaacaaaagg 300

aggagtcccg taagaacgaa gagcatgtga accttatcaa ggaatatcgt ggcaagatcg 360

aggctgaact gagcaatatc tgtgatggca tcttgaagct gcttgactcc cacctagtgc 420

cttctttctac tgctgctgaa t 441

<210> 23574

<211> 424

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-B7

 <400> 23574

 tccacctccg cccgcgtcga gcgagggaca caccgcctcc ggccgcgcgg cacgatctcc 60
 ggtccccaac atgagcacga cagaggatga gaggtccggc gccgccgcag aagcgggagg 120
 aggggaggag gagagacggg agaggagcgt cggcctgatg gccggcctcg tggacagggc 180
 caagggcttc gtggtggaga aggtggcgca gattcccaag cccgaggcgg cgctggatcg 240
 agtctccttc cagagcataa gccgcgaggg cgtcgagctg cacagccacg tcgacgttag 300
 caacccttac tcgcaccgca tccccatctg cgagatcacc tacaccttca agagcgccgg 360
 caaggtgata gcgtcgggca tgatgccga ccccggtgg attgcggcga gcggcagcac 420
 ccag 424

<210> 23575
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-B8

 <400> 23575

 cccacgcgtc cgcccacgcg tccggcacgc gctcaaggac aaccagagt gccaggcgga 60
 ggcggtgtgc accccgcgcc ggctggccga gctgctcgtg tacgtgtcgg ccgaggtggg 120
 catgaccgtg gccgcgttcg cgcaccacga gctcaacgcc atcaaggacg acgacgtcct 180
 gtacaagtgc atcgacacct gctccgagga catcgaggag gccgtggcgc acctcagcgc 240
 cctctcccgc gacttctccg acgccagggt cctcgaggtc aagtcttggc tcacctccac 300
 gctcggcggc accgccacct gcgaggacgc ctgcaaggac gccccgtca gcgacatcaa 360
 gaacgtctgc ataaccaaga gtttcgagtt cgagaagctg ctgcgcgtca cgctggacct 420
 catcacggag gctttcgggt ccatgt 446

<210> 23576
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-B9

<400> 23576

cggacgcgtg ggcggacgcg tggggactca tatgtccttt ctgagtcaag cttgtttatc 60
tgtcctgtga agattgtcat caagacctgt ggcactacca agctcctgct caccattcca 120
agaatccttg agcttgctga agagctgtct atgccacttg ctgctgtgaa gtactcccgt 180
gggacgttca tctttcctgg cgcacagcca gccccccaca ggagcttctc tgaggaagtt 240
gctgcactta accgctactt tggcggcctg aaatctggtg gtaatgctta tgtgattgga 300
gatccagcaa gacctggaca gaagtggcac gtcttctacg cactgagta cccagagcaa 360
ccaatgggta accttgaaat gtgcatgact ggtctggaca agaagaaagc ttctgtcttt 420
ttcaagacta atgctgatgg gaacacaaca tgtgcc 456

<210> 23577

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A4

<400> 23577

atgtgattgg ggctcgccgt gcttcatggc gcattgcttc ttccattgaa cataaggagg 60
agtcccgtaa gaacgaagag catgtgaacc ttatcaagga atatcgtggc aagatcgagg 120
ctgaactgag caatatctgt gatggcatct tgaagctgct tgactaccac ctagtgcctt 180
cttctactgc tgctgaatca aagggtcttct acctcaagat gaatggtgac tatcacaggt 240
atcttgcgga atttaagact ggtgctgaca ggaaggaatc tgctgagagc acaatgggtg 300
cctataatgc tgctcacgac attgctctgg ctgaactggc acctacccat ccgataaagc 360
tgggacttgc tcttaatttt tcagtgtctt attatgagaa tct 403

<210> 23578

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G4

<400> 23578

cggacgcgtg ggcaaagggc catccgctgc ggtcagtgtg ggttttctgaa tcatagcttg 60
 gcgatgcctg aggctagaca aatactgagc tagccttcag aaaaaaaaaag aaaagaaaga 120
 gattgagaag cagggagaaa aaatggcact ggccattga ggaagcttga gaaccagtta 180
 acaagaattg ccaacatatt cttggacaat cttgttaaca gagttttaag gtttccagc 240
 agagaagagc gcgtgcaacc accacattca tataattaat aagcaagggt tagagaagag 300
 gcaacatggg cacaagatg aagaagggga tcctg 335

<210> 23579

<211> 293

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G5

<400> 23579

agcaaattcga acgaaccag ccgaagcgcg agctgagcaa ggcggaggcg gcgatggagc 60
 ggctgcagcg gatctttggc gcctccggca tggggcagcc gccgacggac tcgccgcttc 120
 tcgactcttc cgagcaggtc tacatctcct ccctcgcgct tctcaagatg ctcaagcacg 180
 ggagggcccg cgtgcccatg gaggtcatgg gtctcatgct cggcgagtgc gtcgatgact 240
 acaccgtcag ggtcgtcgac gtcttcgcc tgcgcgcaaag cgggactggg gtc 293

<210> 23580

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G6

<400> 23580

cttgaatgat atagcactag caagtttggt gaatgttaat ttgaaggacc agtcacatat 60
 caacaggcag gaacctacca atgatacatc actaggagga gcaagtttct tgaatgctaa 120
 tttgaaggac cagtcacatc tcaactggca ggaacatatg aatgagacat caccagtagc 180
 aggtttattg aatgctaatt tggaggagca gtcacatctc aactggcagg aacctaaaga 240
 tgagtcatca ccagaagcag gtttcttgaa tgctaatttg gaggagcagt cacatctcaa 300
 ctggcccttg caggaatgtg agccatggat tgagagacat atgttttgac caataagttg 360

atccttggtgta caagcctgac tttccatggt c

391

<210> 23581

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G7

<400> 23581

gagacaatgg ttacggaaat tctatgaata tcaagagaac cataaaagga tatatcaatg 60
ctggttttgc tggaattatg cttgaggatc aggtggcacc taaagcatgt ggacatactg 120
aaggaaggaa agtcatatca agggaggaag ctgtcatgca cataaaagct gctgtagatg 180
ctaggaaaga gagtggctct gacattgtta ttgtagcaag gacagattct cgccaagcta 240
ttttctcatga tgaagcatta tggaggggtga aagcatttgc tgatgctgga acagatgttc 300
tattttattga tgcccttgct tcagtagaag agatgaaagc attttgtgcg ggtgca 356

<210> 23582

<211> 480

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G9

<400> 23582

gcgcacggct cacgttgtcc gcctcacgta aaggtcggtg ccttcgtctc ctatctcgcc 60
tcgcgcagtt ccacttccca tttcctcctt cgtccgcac agggacacac tgcctccgca 120
tgcggaaga tcctccctca ttccccaaac atgagaggag cagaggagga gagatctggc 180
gccgccactg atgcgggagg agaggaggag aaacgggaga ggagcgtcgg cctgatggcc 240
ggcctcatgg acaaggccaa gggcttcgtg gtggagaagg tgacgcaa at ccccaagccc 300
gaggctgcgc tggatcacgt ctccctccag agcatcagcc gcgaggcgt cgagctgcat 360
agccacgtcg acatcagcaa cccctactcg caccgcatcc ccatctgcca gatcacctac 420
acgttcaaga gcgccggcaa ggtgatagcg tccggcacga tgcccgaccc ccggtggatc 480

<210> 23583

<211> 327

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-H1

 <400> 23583

 ttacggagac aatggttacg gaaattctag gtatattatg agaaccatat aaggatatat 60
 cggggcgggt tttgctgtaa ttatgcttga tgatcatgag gcacctaaag catgtggaca 120
 tactgaagga aggaaagtca tatcaaggga ggaagctgtc atgcacataa aagctgctgt 180
 agatgctatg aaagagagtg gctctgacat tggtattgta acaaggacag attctcgcca 240
 agctatatct catgatgaag cattatggag ggtcgaaagc atttgctgat gctggagcat 300
 atgttctatt tattgatgcc cttgctt 327

<210> 23584
 <211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-H10

 <400> 23584

 tctgactcgt ttgaaaaaaaa aaaagattta aaaaaaaaaa caacaaaaaa aaaaaaatac 60
 taacatacaa acacatacat acaacaacaa tatctattct ataatctcac ctactttcaa 120
 ttctcttctc ctctttttac aacatcttaa ctaataaaac cctactgtca cccaacttaa 180
 taatctttca ccacataaac cttttttcac ctaacctaat atccaatata cccctccta 240
 ttttcttcc taacattttc tcatcctaata taattactta tactccccct cttccttctc 300
 attattcact tctcttt 317

<210> 23585
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-H11

 <400> 23585

 cccacgcgtc cgcccacgcg tccgcaaacc gacgatggcg tcgaataaga cggtcctgat 60
 cgtcgcgcg atgcttctca tcacgctcgt gctggaggcc gccctccgg cgaccgccat 120

ggactgcaag gccgggtgtg acgaggtcac gggcccactc cacatgagca tggaggactg 180
 catgaagagg tgcaaggaga tcgctgctaa gcaggggcct agggaccctt acaaggataa 240
 caaacttgac atcccatgaa ctaattaatg ctcctatata atctgcctat ccatgcatgc 300
 attgcattgc gtatgcacac tgtgcgtgcc tgcccacaaa gttcgacaac acaccgatct 360
 cgacggattt gtaatcgtgt ccactcgatc gagagatcga tcgatgcctg gtattatatt 420
 tgtattccac attatatata gg 442

<210> 23586
 <211> 496
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-H12
 <400> 23586

cccacgcgtc cgtataaagc gcgggggtctc agtctcaccg gcacctcttc aatcccaggc 60
 ccacacaaaag tttctgctcg atcctcatct cctccctctc tcgagtcaag agcagagcag 120
 ctaccaaaca agctctcctt tcgcttccga tccatggagc tcgacgccga caacctgagc 180
 gccaccgagc tccgcctcgg cctgcctggg accagcagca gcagcagcga cgactggcag 240
 aagaagccgt cgcctccgt cggggccaag cgcgctctgg acgacggcac caagagcgag 300
 gcctcgggga ccagcccggc cgcagagac ctcgacttcg accacgacca cgacaccggn 360
 cgcgcctcca aagcgcaagt ggtcgggtgg ccgncggtga gggcgtacag gaagaacacc 420
 tttcaggcgg cggcggcggc caagaaggtc gagcagaagc agaagcagca gcagcaggga 480
 ggctgtacg tgaagg 496

<210> 23587
 <211> 316
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-018-Q1-K1-H2
 <400> 23587

cgtcctgcgc caggtacctg gacgagcacg gcaacgtcgc cgcctcgcac ggcgccaccg 60

cggaccacct gagggccacc atcgacagct tcgccaacga ggcgctccg acgctgtgcc 120
 tcgcctacgt cgacgtcggc gacgggttct ccccgagcga ccagatccc acggacgggt 180
 acacgtgcat cggcgtcgtg gggatcaagg atcccgtccg tcccggcgtc aaggagtccg 240
 tggcgatctg cagggtccgt ggcattaccg tcaggatggt cacgggccga cacatcaaca 300
 cggccaaggc gatcgc 316

<210> 23588
 <211> 337
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-018-Q1-K1-H3
 <400> 23588

cccacgcgtc cgatcacgac aagatggcat gcacaaacaa tgcgatgaga gccttgttcc 60
 tcctggtcct cttctgcatc gtgcatggtg agaaggaaga gtcaaagggc atcgatgcga 120
 aagcgtccgg gcctgggtggg tccttcgaca tcaccaagtt gggcgcctcc ggcaatggca 180
 agacagacag cacgaatgct gtgcaggagg catgggcacg ggcgtgcggc ggcaatggga 240
 agcagacaat cctcatacc aagggcgact tccttgtcgg acaactcaac ttcacaggct 300
 ccttgcaagg ggcacgtgac tcattccagg gatggca 337

<210> 23589
 <211> 209
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-018-Q1-K1-H7
 <400> 23589

aattgaacta tccagctaca actaaaaaga aacggatgga gtatttgtta ggcgtaccag 60
 gcgcagactg cttcctatct gtgcgtgggg ctgtaactgt aagccttgtt tgtgaccct 120
 aagcagtctg cgtcttctgc ctgctgctgt agcggtagag cagagagaga tcaaatgtaa 180
 attacatttt tttagctcaa attcacgac 209

<210> 23590
 <211> 342
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-H8

<400> 23590

```

cccacgcgtc cggtcgctgt cgccacggc gcccgacgtg gagctgccgc acgccaactt   60
caccgtggac cgcctcatcc agatgttcgg cgccaagggg ttcacgggtgc aggagctggt  120
ggcgctgtcc ggcgcccaca cgctgggctt ctcccactgc aaggagttcg cgcaccgcct  180
ctacaacttc cgcaaccagg gcggaagcc ggagcagttc gacccagca tgaacccgtc  240
ctacgccagg gggctgcagg acgtgtgcag ggactacctc agggacccca ccatcgnccg  300
gttcaacgac atcatgacgc ccgggcaagt cgacacatgt ac                        342

```

<210> 23591

<211> 380

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A1

<400> 23591

```

gggagagaga attcgggagc atgtacactg actgggatat ccttcctcct cgtaagatca   60
gagatgttaa tgcaaaaaag ccaaaagact gggatgacag ggaatatatt gaagatcctg  120
atcaagttaa gccagagga tatgattcaa ttcctaaaga gatactgat cccaaggaca  180
aaaagcctga gtcatgggat gacgatgatg atggtacatg gaagcctaga atgataccta  240
atccagaata caagggacca tggaagcggg agaaaattaa gaatcctaac taaaaggaa  300
aatggaagac cccatggatt gtcaatccag agtttgagga tgaccagac ctatatgttc  360
tgaaaccttt gcagtatgtg                        380

```

<210> 23592

<211> 72

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A10

<400> 23592

```

ctcctaccgt gggcttcgat ggtcgatta tatatatgag tatcatgttt ataatagttc   60

```

gagttattgc at

72

<210> 23593

<211> 195

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G3

<400> 23593

ggcgggtgcaa ccggcaaggc ttcctcaggc ggcggcggac tggaccccgga cggcgaccca 60

gagggttgggc tgaacgggaa ggcgatcgaa gagatcgtga acgagcacia cgtgttccgc 120

gccaaagagc acgtgccttc gcttgtgtgg aacgcgacgc ttgccaaggt cttgcaacia 180

taccccgaga acctt 195

<210> 23594

<211> 412

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-A2

<400> 23594

ggaatccggc gnggtggg tgcgagcagg gggagggaga agagcagccg cccgccccgc 60

gagggggcaa cagctgcccc agaacctgac cggaagagtt gtgggagcgg cggcggaaag 120

atggggcagg ccctgcgcag gctcttcgac tccttcttct ccaccaggga gatgaggggtt 180

gtgatgcttg gtctggatgc agctggtaaa acaacaatac tgtacaggct tcacatggga 240

gaggttcttt caacagtccc tacagtccgt tttaatgtcg agaaggttca gtataagaat 300

gtggcattca ctgtgtggga tgtgggtgga caagaaaaac tcaggtcact gtggaagatg 360

tacctgagta attctgatgc actgatctat gtcngtgatt ctctggacag ag 412

<210> 23595

<211> 420

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-A3

<400> 23595

gaaaaagatc tatttgagaa atattacaag caacacttgg caaagcgtct tctttctggg 60
aaggctgctt ctgatgattc tgagagaagc atgcttgtga agctgaagac agaattgtggc 120
taccagttta cttcaaagtt ggagggcatg ttcactgatt tgaagacctc tcaggatact 180
acacaagggt tttatgcatc tacttcctcg gagctgccgg cagatgcccc tacaatgtct 240
gtccagatac tcacaactgg gtcattggcca acgcaaactc gcaatacctg caacctcccc 300
cctgaaattg tctctgtctc agagaagttt cggctcttatt accttggcac acataatggc 360
angaggctaa catggcaaac aaacatgggg acggctgaca tcaaaagtac atttggaat 420

<210> 23596

<211> 126

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-E5

<400> 23596

cccacgcgtc cgccgagagc ctgcgccgtt tcggctggat cgtgccggcc tacaccatgc 60
cggnccgacgc ggaacacgtg gccgtcatgc gcgtgggtcat ccgagaggac tttagccgcg 120
gctcgc 126

<210> 23597

<211> 323

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E6

<400> 23597

attggaagag gcagacgtgt ccaaagccat tctaggttac atcactgcaa acaagatcca 60
gagcattgcg ctggcgagg ccaacagaaa tgcgttcacc aagaaattca agaacgcgga 120
cgtgccgtcg accctgatga agtgcgtcc agactactgc aacatctacg tcgtggccaa 180
gggcaagtcc gtcaatgtca ggctcgccaa gtgcggcgtc ccgccgatgc aactggcg 240
cgacatcgct tcggacaccg actccctccg ggaatcgggtg ctctacatgc gacgcggctc 300

cagggggcac ctgccgctggg tga

323

<210> 23598

<211> 140

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E7

<400> 23598

tggaaatttg tcgtatgttt gacagtatct acaaagagca tctggacgga gtgcgccctg 60

tcgtagaaaa agtttaccac gtcttcgaca atcaatttcc tgtagctatt aaacgggtgc 120

agtttgatat gcatcttttt 140

<210> 23599

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E8

<400> 23599

caacttattg agaggcttgt atttgctgaa ggtgcagaaa atggccttga tttcacaatc 60

gggagacctt tcaattggat tggaccaagg atggacttca ttcttgggtg tgatgggtcct 120

agtgaaggtc tgcctcgggt ttggccttgc ttcagtaaca atctgctccg gagagagccc 180

ttgaagcttg ttgatggggg tcagtctcag agaacctttg tctacatcaa ggatgccatc 240

gaagctgtag tgctgatgat tgaaaatcct gctcgagcca actgccacat cttcaatgtt 300

gggaatccga acaatgaagt taccgttagg gagttggccc aaatgatgac agaggtctac 360

cacaaatgtc tcaggagagg caccggtgga tgagccca 398

<210> 23600

<211> 459

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-E9

<400> 23600

gacaggtgaa atttgtcttg atatattgaa gaatgcatgg agccctgcat ggaccctgca 60

gtctgtttgt agagcgataa ttgctctgat ggcccatcct gaaccagaca gccacttaa 120
ctgtgattca ggcaatctcc tgcggtcggg tgacatcaga ggctatcaat caatggcccg 180
catgtataca aggctggctg ccatgccaaa gaaagggttag atgtagaaca tgtgccaaagc 240
caagagccta tgtcagtcca tatgttgta ggtttgctgt gtgctgtctg tctgtgaact 300
tggtggttct tgtttcctaa taagtcctaa ccattcatgt gtgtgtattc tgtattctgt 360
atcccggtt cccgatgctt ggtctgtgat gtaataaatc ctggaattca acagttgnta 420
cttctgatct atttatttaa gtgctcagta tttcccgtc 459

<210> 23601
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F1

<400> 23601

cggacgcgtg ggcggacgcg tgggcgacg cgtgggcgga cgcgtgggct acagttcagg 60
gaagctgcaa tgtccaaaga tgatacggaa ttactaaagg tcatggctaa ctacggtgag 120
gatgtagttg aagctctggg atatgaaatg gatcggcttg agtctgagat caaaaaactt 180
gtgcttgga ttaaactatg ttacaatcaa ggacacaatc cagaaaggct tactttttaa 240
acaaaaatth ttagattaa ctatgtacat tgcatttgat ttaaacaact tacacataga 300
acatctggat actactaaac agaaaccaca ccactagaga gcatgcatta acaacattag 360
aaagcgggta cacaagttgc attaaatcca cagacttta catatacata tacattacac 420
aatcagttaa tatacagatg actggat 447

<210> 23602
<211> 479
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F12

<400> 23602

cccacgcgtc cgccaaaaca tagagtgtcg acttttctat tgggtgtgatt gggggcacta 60
aatacctaac acattgcact cagactacat atactgtgtt tgtgtgttgt atgccgtatg 120

cgtgtgtgag cttgcgcaaa ttggacatct aggccgtgcg tatectgcga tgaaaggcgc 180
 cgtcatcggc gcatcgaccg tcctggtcgt ggcgggtggtg gccaccatct gcgtcgtttc 240
 cttcaaaggc agcggcgatg gcgggagggc cgaggagggc gagatgtcca cgtcggtgaa 300
 gtccatcaag tccttctgcc agcccgtgga ctacaggag acgtgcgaga aggcgctgga 360
 ggcggcggcc gggaacgcca ccagccccac ggagctggcc aaggccatct tcaaggtgac 420
 gtccgaccgg atcggaagg ccgtgcgca gtctcgctg ctcaacgagc tcaagcacg 479

<210> 23603
 <211> 298
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-F2
 <400> 23603

tgctgatgta ccaccaaata ctggagcata attggcctga ccaggatctg tgcccttctt 60
 gatgctcta ttgatgaagt ctggtaactc cgaaacaggt tacagtcttg ctacatggaa 120
 tgacgcattc actacaaatg gcttatctgg gaagactacc atgttctcaa ggctaaatgt 180
 gctacattac cgatctgcat accatgctgt tctataacgg ggtattgtca ctacagtgc 240
 tacggatagt cagatggcta aagagtaacc gatttgatgc ttgaaagctc aatgtctg 298

<210> 23604
 <211> 361
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-F3
 <400> 23604

gccctacgag nntccgcgga ccgccgtggg tctggacgta gtgggggtggg acttactcat 60
 naaaagcact ctaaattggg gcagaatnna agcatgcgtt cgagagcgcc ttaatnntga 120
 acnntgcgac aanntatgac ntnggcacn tnntttgctt tagngaaccc atntcangnn 180
 tacttatntn nttcagaaat cangnaatct tgcangnntt gtgcnntgaa tacntnnttg 240
 aaaggctatn tnntattctc cattttatga aacnncttn nnaagcaagg gtatnngggc 300

agaatggann gcgtgctata cnnctctctgc tgagaatgac aaagtattcg acatcccgtg 360
g 361

<210> 23605
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F4

<400> 23605

cgctcgtctca ctcaccccg cttcacgcct ccctcaccaa ataagggtccc gcccttttcc 60
gacattcaca ggggggacag gaaatcagcg gccatggcct cgattccggc gacgaccttc 120
gccgtcatct tatccgtcct cttctgtgcc gcgggtggca ccgccgtcga caacgacctc 180
cccgactacg tcatccaggg ccgcgtctac tgcgacacct gccgcgccgg gttcgtgacc 240
aatgtcaccg agtacatcg gggcgccaag gtgaggctgg agtgcaagca cttcggcacc 300
ggcaagctcg agcgctccat cgacgggggtg accgacgcga acggcacgta cacgatac 357

<210> 23606
<211> 245
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F5

<400> 23606

caatccttgc acccctcccc tccgtcacc caccacatcc ggccagccca acgaaaatgt 60
cgcgcgccac agctgcggtc ctcttctaca tctctgcgct cgctgccctc agcgcgggccg 120
aggcaccggc agagtcaccg aaggcaggca gtcttgccaa ggcaccggcc gagtcaccga 180
aggcaggcag tcttgagct cctgccaagg cacccgagtc tgctgccacg agaactgccc 240
ccgct 245

<210> 23607
<211> 252
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-F7

<400> 23607

cccacgcgctc cggtttttttt tgatcataac aattaattaa ttaattaagg cgaagacacg 60
aagcgtggag gatcgatgcg tccccgccgc cgcagtatgt ttttaagctga cttgcggtag 120
atgtgttggtg gcctgccggc ggccggcgctc ttctgggtgt ctatgacagt ctccaaggcg 180
ccgacgagcg ccttgaccct gctgcaactg cgcttctgca tcagcttggg gcgtgccgnc 240
tcgatcacgt cg 252

<210> 23608

<211> 366

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-F8

<400> 23608

cccacgcgctc cggtcgctgg gtctgccggt tgccgcgacg gtgaactgcg cggacaacac 60
gggcgccaag aacctctaca tcctctccgt caagggcacc aagggccgcc tcaaccgcct 120
cccgtccgcc tgcgttggtg acatggtcat ggccaccgctc aagaagggga agcccgacct 180
caggaagaag gtgatgcccg ccgtcatcgt ccgccagcgc aagccgtggc gccgcaagga 240
cgggtgtctac atgtacttcg aagataatgc tggagtgtat gtgaatccca aggggtgagat 300
gaaagggtcc gctatcactg gacctatcgg caaggagtgt gctgatcttt ggcctangat 360
tgctag 366

<210> 23609

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F9

<400> 23609

tgccagtccc gcgagcacca ttcacgcaca ccagcgcagc cgccatggcc gacgtcgagg 60
gggccacccc cgtggccgca ccggccgagg gcgcggggcg cgacgtggcc gccgggagaa 120
ccggcgcggt ggccgccctg ctgcggcggt ggccggacca ggacctgctg gaccggtcgg 180

ggtccgcgct ggcgcgcgcg gcgtgggcgt tctccctgct ggcgttcctc gtcattggcct 240
gcaacgagca tggggactgg aggcagttcg accgctacga ggagtacagg tacatcgttg 300
ccatcggcct gctggccttc gtctacacga cgctgcagc 339

<210> 23610
<211> 255
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G1

<400> 23610

cggacgcgtg gggccgtgta cgccaactgg gagttctgca agatgcaggg catcggctgg 60
ggctgggggtg ggcgccatctg ggcgttcagc gtcgtcacct acttcccgtt ggacgtgctc 120
aagttcgcca tccgctacgc gctctccggc aaggcctgga acaacatcaa caacaagacg 180
gccttcacca accgcaccga ctacggcaag ggcgagcgag aggcgcagtg ggccacggca 240
cagaggacgc tgcac 255

<210> 23611
<211> 430
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-G10

<400> 23611

gaaggggaag agtcagcaat ggaggcgagg attgcaggag tgcccgaaga tgaagagtgc 60
ggcctcctcc cccgcccgtc cgcagccggc cgacggccgt cctcccgcgg cccccgcttc 120
ccgcctccac cggcagcctg ggcgacggtg gacggccccc tcgggcttcc gctggaggac 180
gcggagggcc acgcccgcgc cttcttcatg tggggtttcg cgtgcctccc cttcctctgg 240
gccatcaact gctgctactt ctggcccgtc ctccgctcgt cggtcgcctc ctgcccgcgc 300
gccttcgccc ccatccgccc ctatgttgtg cggtcggcaa ttggcttcac catcttctcc 360
gttgttctgg tcacctgggc cagcaccttc gtcgtcngag gcgagccggt atttgggcca 420
gtgtggaatg 430

<210> 23612
<211> 393
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-G11

<400> 23612

gccgcctttt tttttttttt ttttggtaaa actgtaagaa catgattatt cttcactttc 60
agctttcgac tcaggttggt cggtgagggg gactgctgaa gtccttcgac ctcaactagg 120
actaggaatc tctgacgacg gcggcagcag acatgctcgc cgggccacct cgtccacgaa 180
cgcttgata tgcgcgtccg aggacccgcc gagcgccacg gcctcccgcg ccgcgcgct 240
ccacctcttg gcgttggtga gcatcgcgtc ggctcggggc cccgccacgg cggcgtctac 300
cgntcccgcc acggcgtccc gccgcagcgg ccgcgggaag cggaccccaa tctgagttc 360
cttcaccaag aacttggtgt cagtgcactg gtc 393

<210> 23613
<211> 125
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G12

<400> 23613

cccacgcgtc cgaaactttt gcactcgtaa agtggattag cagagggccg ttaatttggt 60
tttcagttgt aaactgttta cgtgaatgct gtaccgatac cgtgataccg tctgactttt 120
tcatac 125

<210> 23614
<211> 333
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-G2

<400> 23614

cccacgcgtc cgcgtacttg tattctagca gcaaagcaaa gaggatcgga tcagaagaaa 60
agaatagtta ggtcccgtg gtcgatcgaa cgaagctgct gctgctaccg gccggccggg 120

catgacgatg acacggacga tgtgcctagg cctgctgctt ctactactgg cggcggcgtc 180
gacagcgacg gcgcatttca cggtcggcga tgtggatgag tacgtgtcca agcgcacgca 240
ggagtcccg c acaggaaca acggtggcgc gggcatcgat gacctcatct ncagtgcggc 300
gcgcttncac gccaacgtgg atgcacgcgc cta 333

<210> 23615
<211> 414
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-E4

<400> 23615

ccgtccgtgc ctcnngtccc ttccgcaccc cgctcggctc ggcccgnngt cctcttnctc 60
cggcccactt tccgttccga tgcgaccgat ggcggcnnta ccgcccccaa tgggtncaat 120
cccacctggt cagctccctt tcgcggaac ctcgttccgg tccaaggcgc gttctgttcg 180
acatnctgac gggaccctgt gcgaaactcg gatccccctc accaacgtcg ctttccaaga 240
gatgcttctc gagatcgggt acaacaatgg cgtgccgata gacgaggagt tcttcatcaa 300
gaacatcgct gggaggagtg acgtcgaaac tgcccagaac cttgtcccg actgggagct 360
tgagaggggc tcanattnct agaggacaag gaagcaaaat acaggagtct ggca 414

<210> 23616
<211> 110
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C8

<400> 23616

cccacgcgtc cgcaaaacat ggctgtgaat gtgagcacca tgtggtcggt gatgcaggca 60
cggtttgcta tggttgtggc gttgtccttc ttggtgagcg gcgcatggtg 110

<210> 23617
<211> 343
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C9

<400> 23617

cccacgcgtc cgccacgcg tccggagggtg gagtcttcag acaccatctc gagggtgata 60
gttttgccgg tcagggtctt cacgaagatc tgcattgctc ccctgaggcg cagcaccaag 120
tgagggggtgc tctccttctg gatgtttag tggcaagcg tgcgccgctc ctcaagctgc 180
ttcccagcaa agatgagccg ctgctggtct ggagggatgc cctccttgct ctggatcttg 240
gccttgacgt tgtcaatggt gtcagaggac ctgcgcggca tgctcaacat cgggttccag 300
ctgatgacca ccatcggcat cctggcggcg aacctgatca act 343

<210> 23618

<211> 217

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D1

<400> 23618

gcaaattaaa gagggatcgg attggaactc gatcggaagg aaggtcctgc aggccggctg 60
gccggtcgtc gatcgaggaa ccaagctgct gctgctgcta ccggacgaca ccaaccatga 120
tacggaggac gacgggtgtc ctaggcctgc tgcttctact actggcggcg tcgactgcga 180
cggcacattt ctgatcggc gaactgacg agtactt 217

<210> 23619

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D10

<400> 23619

cccacgttgt acaaggagtc gtgtgagaag acgctctccc aggccaccaa tggcaccgag 60
aaccccaagg aggtgttcca cagcgttgcc aaggtggcgc tggagtccgt gaaaacagcg 120
gtcgagcagt ccaagacgat cggcgaggct aatgccagcg actccatgac cgagagcgcg 180
cgggaggact gcaagaagct cctcaggac gccgttgacg acctcagggg catgctcgag 240
atggccggcg gcgacatcaa ggtgcttatc agccgggtccg acgacctcga gacatggctc 300

acgggcggtca tgacgttcat ggacacctgc atcgacggct tcgtcgacga gaagctcaaa 360
gccgacatgc acaccgtgct gcgcaacgcc accgagctca gcagcaacgc gc 412

<210> 23620
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D11

<400> 23620

cacacgcagt caactcgttg ctgggggttg gatccccggc gagcaccatg cgaggaagta 60
acatgccgcg gcacacgtcg ccgttccttt ttgccttggt ggcgtcggcg gcgaccctgc 120
tcagcgtcgg cgacgcgttg gtcgtcgacg gcctgcaggt ggggttctat ggcaagacgt 180
gcccggcggc cgaaggcgctc atcagcgaca tcgtcaacaa cgaaatcgct atggaccggg 240
gcatctcccc tggcctcatt cgcctcttct ttcacgactg cttcatcacg ggttgcgacg 300
cttccattct cctggacgag tcgcccggcg gcgacgtccc agagaaggag tcgtccgcca 360
acggcttcac cctggtcggg ctcagaacca tcgacatcgc caagtccacc gtagagggca 420
tgtgccccgg caaggtctcg tgcgc 445

<210> 23621
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D12

<400> 23621

aaattcatca agctcaacac gatctcaatt cgattccagt tcatccatcc aacgcctgcc 60
gcctgtacgt atagaagaaa gaaggaagaa ccgtcacgt acgtcctcgc cagtacaaat 120
aatggccctg ctcaaagccg cgcgcgtcgc cgatgtgccc accctggacg tgggtggtggc 180
ccccggcctg gtggcggttg ccaaggcgag gagcgccgcg gcggtgggcg gccggttctc 240
ggtgatcggg caccgcggca aggggatgaa cgcgctggcg tcggaggacc cgcgtctgcg 300
ggaggtccgc gagaacacgg tccgtcctt caacgacgcc ggacgattcc ccgtcgacta 360
cgtcgagttc gacgtccaag tcaccaaagg acgggtgccc aatcatcttc catgacaact 420

tcatcttcac a

431

<210> 23622
<211> 263
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D2

<400> 23622

cccacgcgtc cgccccattt cgcgcgcgcg ctcgcgatcg gcgaccgcgc tccacgaatc 60
cggccgcgga ttcgcgaccg agccttgggc cggcccgggc tctggttcgc gggcgccgag 120
ggagggccgt ggtgggtcgc gcggggaatg ctctacctca agcagccggg cggcgccgac 180
gtagagttcc ggcaggcggc ggcgggcggt gcggtgctgt gatctgccgc tgcggtggat 240
atatgcgaga ttgagccagc acg 263

<210> 23623
<211> 213
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D3

<400> 23623

cggacgcgtg ggcaaaaaac ttcagcagtg atgccctcat tggcgagggc tcgtatgccca 60
gagtctatct tgggtgtgctg aaagatggga cgaaatctgc agtgaagaag cttgactcca 120
gcaaacagcc tgatcaagaa ttccttgtgc acgtttcagc tgtctcaagg ttgaaacatg 180
agaatgttgt ccaactcgtc ggatactgcg ccg 213

<210> 23624
<211> 315
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D4

<400> 23624

cggacgcgtg ggctgacgcg tgcgccgacg ctttatccga cgcgtgggag atcgcgagct 60
tgggggatac ctacaagatg atgcttatta ataaatccta tatatatata ctatatttta 120

taattcctat tctctaatta ttgtataatc ttcaataata ttgttaatat ccaatcaccc 180
ctcatgatta cataagcatt tatgattgta taaccaaatt atataatttt catatactat 240
gcaattaaaa aatattaata attcattaat ttattataaa atatattaat tattttattaa 300
aattctatat tttta 315

<210> 23625
<211> 193
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-018-Q1-K1-D5
<400> 23625

gtcaaagggc atcgatgcga aagcgttcgg acctggtggc tccttagaca taaccaagtt 60
gggggcatcc agcaatggca agacagacag cactacatct ttgcaggatg catgggcatc 120
ggcgtgcagc agcactggaa agcagacgat gctcatatcc agaggtgact tcattgtagg 180
acaactcaat ttc 193

<210> 23626
<211> 248
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-018-Q1-K1-D6
<400> 23626

acgggttcca ggacacgctg tacgcgcact ccaagggggc gttctaccgg aactggatta 60
tcggcggcac cgtggacttc atcttcggcg acgcggcggc ggtgttccag aactggattc 120
tggtgctgcg ccggccgatg gacaaccagc agaacatcgc gaccgcgcaa ggccgcgcgg 180
acgcgcgcga agccacgggg ttcgtgctcc agaagtgcga gttccaggcc gaggccgcgc 240
ttcgggac 248

<210> 23627
<211> 221
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-018-Q1-K1-D7

<400> 23627

tgtgtaccca tttgtgctgc acacgagttt acggatgggc cgagtcgcta gctgagtcgt 60

cgtcacatc aggttgcttg agcactcgag cctctcagag caaattaaat ctaaccgtcg 120

tcgtgtcatc cgggtatatt taccttgtag atcgtctttt catattgctt ggtgtgtcag 180

tgttaccgat ggaggcataa cataaatgat ccatgaattc c 221

<210> 23628

<211> 243

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D8

<400> 23628

cccacgcgtc cgcccacgcg tccgttttca tatactatgc aatgaaaatt atataatttg 60

gtgatacctg cagcagcaag ctaattaagt tggccgatat atatataata tataatggaa 120

gccctgggct ttgattattg gggaagcccc aaccagaatg cggataggcc accaccccg 180

atgattacgt tagcatttat gctggtataa ccaaattata taattttcat atactatgca 240

atg 243

<210> 23629

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D9

<400> 23629

cggacgcgtg gggaatttga agaggaggaa gcagcacctg tggtggttga cggccctcta 60

gaaccgcaaa cgtcaaatat catgtcaact actactcaca ttcaagagga tcctttatct 120

gcatttttca gtgcagctgc aaatgctggg ggcaattctg ctgtagctgt tgcaaggcaa 180

ccaattcaac tttttgggtg tactccggtg gctacacatg cagctactag tatcactaca 240

atacaatcgc caggcttgca ttatttgctt ccttcacaag cctcatcggt ttctgggatg 300

cctgctgatg ctcatggttc tataggaagg tccacaaacc ttgtaaatcc atcacttttc 360

tcaccattga cgtcttcaca gacaacaatg gtgtgcacta attctgtagt a 411

<210> 23630
<211> 123
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E1

<400> 23630

```
ccgatccatc tgggcggggc cggcgctcgg ggccagccaa gcttgccatg gggcgctcggc 60
cgacaggggc cacacacacg cgtcgagcgt ggtcggacct cgggcggggc gggagccatg 120
acc 123
```

<210> 23631
<211> 480
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E10

<400> 23631

```
cccacgcgtc cgcccacgcg tccgcccacg cgtccgagct gatgatgagc gactacaggg 60
tggagatggt gaacgatggg atgcaggagt tctttgtaga atttcgtggg cctaacgaaa 120
gcatttatca aggaggtgta tggaagggtta gagtagaatt gccagacgca tacccttaca 180
aatccccatc gattgggttc atcaataaga tatatcacc aaatgtcgat gaaatgtctg 240
gttcagtctg tttggatgtc atcaaccaga cttggagccc aatgtttgat cttgtcaatg 300
tgttcgaggt cttccttcca caacttctgt tatatcctaa tccttctgat ccattaaatg 360
gagatgcagc tgcgttgatg atgcgtgatc gccctgctta tgaacaaata gtgaaagagt 420
actgtgaaaa atacgcaaaa ccaggggatg ctggtgtcac ccagaagag caatccagtg 480
```

<210> 23632
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E11

<400> 23632

```
accacgcgta cagtgcacct tgatgaccaa gcaccgcgag cgcttgaagg tcttggaggc 60
```

agtagatgct gctgtagaac ttgggtatag ccctgttaag gtcaactgtg tcatcatgcg 120
 tggataaaat gatgatgaga tctgcaatth tgttgaattg acgagacaca agcccatcaa 180
 cgttagatth attgagthta tgccatttga ttgtaatgtt ttggaatgtga agaagctagt 240
 tccttatgca gagatgttgg acaaagtgcg gcaaagttat aaaggagtag agagacttca 300
 agatcacccc acagacactg caaagaatth caggattgat ggacatgttg gcactatthc 360
 atttattaca tcaatgacag agcattthttg tgctggcttg catagattac ggttattggc 420
 tgatggaaaa cctcaggtgt gcttatttgg cccc 454

<210> 23633
 <211> 240
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-018-Q1-K1-C7

<400> 23633
 aaacaatcct tgcaccctc ccctccgtca cccaccaca tccggccagc ccaacgaaaa 60
 tgtggcgcg cccagctgcg gtcctcttct acatcctcgc cgtcgtctgc ctcagcgcg 120
 ccgaggcacc ggcagagtca ccgaaggcag gcagtctcgc caaggcaccg gccgagtcac 180
 cgaaggcagg cagtctcgc gtcctcgca aggcaccgca gtctgctgcc acgagaactg 240

<210> 23634
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-018-Q1-K1-E12

<400> 23634
 gtgaccatcc aggtggatgg caatctgctg gcgaccacgg acctagcca gtacaaggac 60
 catggttaatt ggatcgagat tctacgtgtg gataacctgg tcatcaccgg caagggaac 120
 cttgacgggc agggcccagc cgtgtggagc aagaactcct gcaccaagaa gtacgactgc 180
 aagatccttc ccaactcgct ggtgatggac ttcgtgaaca acggggaggt gtccggggtc 240
 acgctgctca actccaagtt cttccacatg aacatgtacc ggtgcaagga catgctgatc 300
 aaggacgtga ccgtgacggc gcccggtgac agccccaaca cggatggcat ccacatgggc 360

gactcatccg ggatcacgat caccaacacc gtcattggcg tcggtgacga ct 412

<210> 23635

<211> 333

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-E2

<400> 23635

cggacgcgtg ggcaaaggcc ttcctcccgg cgtatttgct ttggctcttc tcctccacgc 60

cataagatat ctagcaattg gtcactcgcc ttaattagtt cgctttgctt ttgaggttga 120

ttcgaccatt ttgctgtagc gtgaattgca tgcattggaca tgcaacgctc caatggcctt 180

tggaatgtgg aatttttttc cccattttct gtatttttcc tataaaaaat gaactgggtc 240

ttatataatt cctctcaaaa aanaaaaaan nnnnnnaaaa naaaaaaaaa aaaaaaaaaa 300

ccaaaaaaaa aaaaaaaaaa aaaaaaaggg ggg 333

<210> 23636

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E3

<400> 23636

gtcagaaaat agtgggatcg agttgtttca ctgcacgagc acatcctccg gcgaccaccg 60

gcctgggtct ccgtcctcta gcgaccgacc aacgcgccga gcgaagatgt cgtggcagac 120

gtacgtggac gagcacctga tgtgagagat cgagggccac cacctcacgt cggcggccat 180

cgtcggccac gaaggcgcca actggggcta aagcaccggg gtccccgagt tcaagcccca 240

agagaatgct ggcatcatga aagatttcga cgagcccggg caacttggcc cgaccgggct 300

gacctcggga gggaccaagt acatgggcat tcaaggggaa cctggagctg tcattcgtgg 360

caagaaagga tcccggggca ttactgtgaa gaaaacaggg cagtcactca tcattggcat 420

ttacgacgag cccatgactt ccgggca 447

<210> 23637

<211> 347

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-A8

 <400> 23637

 agcaatcaca gccggacgat ccgagcagag aaggggaggt acctgctacg actagctaga 60
 ttccacgcgc gatggcgccc accaggatcc gcgtggcctt gctgagcttg gcgctggtgg 120
 ggctgctcat ctgccacctc gccaccaccg cctccgcggg caagaacaga atccgcatcc 180
 tcgacagcgt cgacgactcg gccggggaca acaacagctc cgacgcctcg gccggggaca 240
 acagcaccga ctccgagtcg gaaggccgcg tcgtctattc cgacatgaag ctggctgatg 300
 agactggatc tgcgccggct ccggcaacgg cgccggggcc gacgacc 347

<210> 23638
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-A9

 <400> 23638

 caccgccctg gctagcacca cacaccgag gtatggagaa ggcgacgagg ctggccttgg 60
 cagcggcggt ggttctgtgc ctgctgctgg cgaccggggc gcaggaggcc gccggcgccg 120
 aggggatgct gtcgtatgat aagttgctca gctgcaaggt gctgggcaac tgcgacaaga 180
 acagggggccc cggggccacc cgcccgggga agcccgtaaa caagtacacc cgcggtgca 240
 gcccgctgac ccggtgccgc ggcggctgat catatctccg gtggttctgg tcgatgtgcg 300
 cgcaacgtca cgcgctgca ggcaccagcg ccggccggcc cctgagggcg ggggcaaagg 360
 gggcaaccgc cctggtgggc ctcgtaatct ggaagacccc aattccgtgt acacattagt 420
 atactgcata tgagtttttg catgtgtatt a 451

<210> 23639
 <211> 476
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B12

 <400> 23639

cggacgcgtg ggcgccggcg gaggagcagc ggcggttcca gggcgtggcc tgcaacatgg 60
 ccgcgtccga ggacgagatc acggagcccg gcgcgctgtc catggccttc atacgcaacg 120
 tggaggcgga ggtgatgagg ctggagaacc tcaaggagtg ccggatgaga gaactcgtcg 180
 tgaagaagca cgaggagctc aaggagatcc gccgccgcgc gcgtctgccc gaggacgaca 240
 ctaccgtcat ggtgttcgac gccatggaca gcgatgctga gcgtgctatg atcctggagc 300
 ggctggaatt gcagatctcc aaggccaagg acctggagtt cagccggaag gacgtgctgg 360
 agaagatgga caggtggcag gcggcgctgg aggaggagtc ctggctcgag gactacagca 420
 gaaacgagaa cagatacaac accggcaaag ggacgcacct cgtgctcaag cgagcg 476

<210> 23640
 <211> 292
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-018-Q1-K1-B2
 <400> 23640

gctatgcgtc cgcttgtctt tcgagtattc tttagagtga tcccaggag aaaagccgta 60
 attgctggac agtacctgat agcataaact ttaaagtctg gagcaagaat ttcccacacg 120
 acaaatcata gatacctgca gcaagttatc taatggagct tgcagccatc gactggttta 180
 aggacaccaa acgtatggat aacgttgcta tgcacaacgg ttgtgttgct caggctgctg 240
 gtgaaaaagg gatgcataca ttgaatgtca acatacagat tccttgatca ac 292

<210> 23641
 <211> 231
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-018-Q1-K1-B4
 <400> 23641

cggacgcgtg ggtttcccgga gccgggacgt gttggcagac ggcgacgtta ggaagtccgg 60
 agagcgctc tgtggcctcg ggaagagtta tcttttctgc ttaacggccc gccaacctg 120
 gaatcggttc agccggaggt aggtccagc ggccggaaga gcaccgcaca tcgcgcggag 180
 tccggtgcgc tcccggcgaa tcttgaatat tcagaaggcc taattccggc t 231

<210> 23642
 <211> 273
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B6

 <400> 23642

 atgaacttga agtttccaca aagcagccaa ttttgtggg ttctagtgtt agtgatacag 60
 tggaaacctg tattgcaatg ggaaacgagc gtgctgcact cagagtgaag tccgaattca 120
 aggttcctga taagaggtgg tactggctta aaacgtgcgc tttagccaca gttggaaact 180
 gggatggttt ggaaaaattt caggggagaa aaggccaccg ggaggctata aaccttttgt 240
 ggaagcatgc atggatcctg gtcaaaaaaa tga 273

<210> 23643
 <211> 226
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B7

 <400> 23643

 gaggtgata tggatgcaat gtggaaacat cctgatgtgt ataaggagtg gataaaatct 60
 ggtgagagac gtggaaatgt acgattctcc catgatgcaa agaacaggcc ttacctttct 120
 cgcgtcgagg tgaaggctgt tgccgaaata atcatatcac gccatttgag cacaagagga 180
 gtaaaaccag aagctctcgc agcacttgca gaggtttgca gtatgc 226

<210> 23644
 <211> 291
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B8

 <400> 23644

 cccacgcgtc cgcccacgcg tccgaggaat catggtgtaa agcactccgt cttgcttcta 60
 ctacggacaa ggacaaactc aaatcccatg aaatgctgac ccaagagttc cgcagttaca 120
 tgtcctctct gaaagctgga tacccttctt ttctgggacc ctcgacactc tccagtcagg 180

aacatgtgct tgtggacaac actgtgaaga atgacggacc ttcaaaactc cgaggttttc 240
tcaaacgatt ggtgggaaag aaggcatctg ccaaggcttc tcaggagagc a 291

<210> 23645
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-B9

<400> 23645

cccacgcgtc cggctgggcg atgtgcaggc caggatagtc ggccctgggt tcgatgggac 60
cgtgcaggag ttccttgagg aaagcctggg gttccaacag gggatggctg gtgtcacggc 120
tgcggtgctc attggcttct cccttttctt ctgcgccgtc tacgcgactt ctatcaaggt 180
tctgaatttc cagagaagat gaccagctgc ctgagctaag taagcctccg tggtttgctt 240
ttgctactgt gtggtgccaa catcaaagtc tacttgctag ctactcggcg gatgccggat 300
ggatgaagca cccgttggtc gtaggattga agttttcaca cgtagagagg atggtagata 360
attaaagggt catgtctgta tatgattact atcgcaaata taatgagcaa cagtagtgat 420
gcatttgtgc tgtacgtaag a 441

<210> 23646
<211> 273
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C1

<400> 23646

cccacgcgtc cgcacgac acgacaagat ggcgtgcaca aacaatgcga tgagagcctt 60
gttctctctg gtctcttctt gcatcgtgca tggtgagaag gaagagtcaa agggcatcga 120
tgcgaaagcg tccgggcctg gtgggtcctt cgacatcacc aagttgggcg ccttcggcaa 180
tggcaagaca gacagcacga aggctgtgca ggaggcatgg gcatcggcgt gcggcgccac 240
tgggaagcag acaatcctca tacccaaggg tga 273

<210> 23647
<211> 484

<212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-C10

<400> 23647

cagagagaga gagagagacc gacgcgccgg cagatcccaa gttcaccgga gagggggaag 60
 agggcgaccg aaggcggcga tgggtttcat catggacttc gcggagaatc tgatcctccg 120
 tctgatggag gacccggaca agcgcgacca gggtcggcgg gagcatgtct acaagatgaa 180
 ggagcgggtgc gagegcacta aggcggcgtg gagcctccct ctgcgccctt acggcttctg 240
 gaccttcgac cgcttcaact cgcagctctc ctgggatccc cagatcagcc aggcgcgccg 300
 ccgtcgggac ccctacgacg acctcatcgc ccgccactct ggctcgcgcg cgtcttctctg 360
 aacaccggtt ccgatctttg ccagaaggt ctacttgggc atcaataaga aactctttcc 420
 cctcaaactg attgtggntc catcctcttc tgtctggaaa atgttgtcac caaactaccc 480
 tatt 484

<210> 23648
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C11

<400> 23648

ccttcgtcca cgctccctgc agccgccgcc caaacccctag caaccgtcc tccgccatgg 60
 ccgacgacca ctactcctct aagaggaagt acgacgaccc ctgcgcccg ccgcggcgca 120
 cgggggttctc ttggggcccg ccgctgcct cgccgctcgc gggcgggcgc ccgtcgtaca 180
 acagcgtgcc accgcccccc gatgagatec agctcgcgaa gcagcgcgcg caggagatcg 240
 cggcgcggat ctttaacgcc gcagaggcca agcgtcctcg cgtcgacaac ggcgacgatg 300
 acagcggcgg cttcgggtgta ggcctgggca gcaactgggtg cgggtggccgc atcgggcgcg 360
 gaggactcgg cttctcgtcc tctgccggtg gtgggcacgg ggcttctatc ccacaattat 420
 cttctcacag cagc 434

<210> 23649

<211> 422
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-C12

 <400> 23649

 cccacgcgtc cggctgttcc ccaaggtgtg catgcacgcg ctcaaggaca acccagagtg 60
 ccaggcggag acggcgggtca ccccgcgccg gctggccgag ctgctcgtgt acgtgtcggc 120
 cgaggtgggc atgaccgtgg ccgcgttcgc gcaccacgag cccaacgcca tcaaggacga 180
 cgacgtcctg tacaagtgca tcgacacctg ctccgaggac atcgaggagg ccgtggcgca 240
 cctcagcgcc ctctcccgcg acttctccga cgccagggttc ctcgagggtca agtcctgggt 300
 cacctccaag ctcgggcgga ccgncacctg cgaggacgcc tgcaaggacg cccccgtcag 360
 cgacatcaag aacgtctgca taaccaagag cttcgagttc gagaagctgc tgcgcgtcac 420
 gc 422

<210> 23650
 <211> 304
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-C2

 <400> 23650

 catctacgac atctgccgcc gatcccttga cattgagcgc ccaacctaca ccaacctcaa 60
 caggcttgtg tcccagggtca tctcatccct tactgcctcc ctgaggttcg atggtgctct 120
 gaacgtggat gttaacgagt tccagaccaa cctggtaccc taccgagga tccacttcat 180
 gctttcttcg tacgctccag tcattctctgc tgagaaggcc taccacgagc agctctctgt 240
 ggctgagatc accaacagtg ctttcgagcc atcttccatg atggccaaat gcgacccacg 300
 ccat 304

<210> 23651
 <211> 251
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-C3

<400> 23651

cccacgcgtc cggaagccgt ggtccctgtc tttctccttc ggccgtgccc tccaggcgag 60

cacctgaag gcctgggctg gcaagggtga taacttggag aaggctagag ctgccttcct 120

cgccaggtgc aaggccaact ctgaggctac cctcggcacc tacaagggtg atgctgccga 180

cgacaccgag agccgtcacg tcaaggacta caagtactga gctgcttctc tttgctgtgc 240

cgttttggaa c 251

<210> 23652

<211> 287

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A5

<400> 23652

attcctccca acaccacctc gcctgcgata tccgtagcct ccgtcgcgtc gagcatcgat 60

catgtcggcc tactgcggaa agtacaagga tgagctcatc aagaatgctg cctacattgg 120

cacctctggc aagggtatcc ttgctgctga tgagtccact ggcaccattg gcaagcgcct 180

ttccagcatc aatgtcgaga acgttgaaga gaaccgccgt gccctccgtg agctcctatt 240

ctgctgccct ggtgctctcc agtacatcag cgggtgtgatc ctcttcg 287

<210> 23653

<211> 237

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C4

<400> 23653

gtacaccttg cgtactagag gataagctgt cagaaatcac gaacggtaca gtccctggtaa 60

actacgggac atcagccgac acgcatcaag tcgggagatc ggagccgtct tactggacct 120

agagggcggg ttctttgggg gcagcagctg cacacttgag ctcatgacag tcgttcacgc 180

tggtgccgga agtgcataag gtcaagatgt cacacaggag ctgcatgatc agagtgc 237

<210> 23654

<211> 275

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-C5

 <400> 23654

 cccacgcgtc cgcccacagg atccgagaga cctcacaagc cgccacgcca gttccccatc 60
 cggtcgcggc gcttacccca cccgccctgc tcccgcccg tagtagtagc agagcctcgc 120
 cgacgctgcc gagaatagat ggggttcgtg tccttcgtcg ggcgggtgct cttcgtcgcc 180
 gctttcctcc tctccgacta ccaggagttt aatgaatttg gcgctgatgg tgggccatca 240
 gctaaagccc ttcagcccaa ggtcaagggg gttgg 275

<210> 23655
 <211> 373
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-H10

 <400> 23655

 cccacgcgtc cgcacacagc gcacccgagc tagccagttg tatagcgacg cccacgcccg 60
 gagcacacac gtatgtggcg cgcgctcgca cttgcgggtcc tctcctggc cgccgccgcg 120
 gtggcgccgc tggcctccgc cgacggcgtg aagtcggtcc ccacccccgg cgccaaggag 180
 gccgccagcg gcgccaagat gttcgacagg gaggccgacg ccggtcacga cccggtcagc 240
 ggctgcccgg ccgacccggc gcccgacgcy cgcccctaag gctacgcacc gtcgtcgttg 300
 tcgtcaccgn cgtcgccgtt ccgacccgtt tccgtgaac accacgcgcc ttgtacgtgt 360
 gcttgtgatg ttc 373

<210> 23656
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-H11

 <400> 23656

 gcgaccccg tgagcgtgga ggaggcgtgc cgcggcgctg ccgagacgca cgccggcgtg 60

gcgtagcacc actgcatggc gtcgctgggc gccgacccgc gcagcaagga ggccggcaac 120
aagaacatgc acgggctggc ggtgctggcc accaggatgg ccatcgacca cgccgccagc 180
accgagtcca agatcgacga cctcgcgag ctggaggcgg cgtcgctcgc ggatccgcag 240
gcgcgcgccc gcttcaacca ctgcctggag cagtacggcg gcgccgtcga cctnctccgc 300
gacgcgctgg acaacctcaa ggcaagatc tacggcaagg ccatggagca gctgaccgcc 360
gcaatgggcg cctncgagag ctgcgaggac gcgtggaagg gcgnagagga gggatgtccc 420
gtcgnccgnc acgacaggga gta 443

<210> 23657
<211> 480
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-017-Q1-K1-H12
<400> 23657

cccacgcgtc cgccacgcg tccgcccacg cgtccgccca cgcgtccgct cgcggtggtg 60
cgtgctcctc ctctccggc tgctcccggg gcgggcgctc tcctgttcct cctcctcctg 120
ctgctggtgc cagggccggg agggcggcgt ggaggtggcg ctcatggggc tcgccgggga 180
cgggtcggcg gacaccgcc acctcagtaa tagtgaaaat ggtcggttca gttatggagt 240
tgcaagttct cccgggaaaa gagcatcgat ggaggacttc tatgaggcaa ggatagacga 300
cgttgacgga gagaaagttg gaatgtttgg tgtgtatgat ggtcatggag gattcagagc 360
agctgagtac gttaagcagc atcttttcag caatttaatc aaacacccaa agttcatcac 420
tgataccaag ggccgtattg ctgaacttac aaccgcacag gatcagaatt tctgaaagct 480

<210> 23658
<211> 304
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-017-Q1-K1-H2
<400> 23658

cggacgcgtg ggagagagga gaaccaggag cctgcaataa gagccagcca gagaaactaa 60
gaaaagtctc gccggcgggc tccgagcgaa caagccaacc gaccccggtc ccaaggcaat 120

ccgtcgtcta cttaccacca ccaccgcagg atccagatgg aaatgtagag tatectcttc 180
gacgtcctac tegtcatctc cgtctcggtc accttagagc tggcctacac cgatgccgcc 240
ctcttatgct ctacatctgc atacgagtca ttctcgatgc tccacttgac actcctcttg 300
ctct 304

<210> 23659
<211> 473
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H3

<400> 23659

cccacgcgtc cgcccacgcg tccggcacgc ctcggccgaa cagttccccg agtccccgac 60
tgggtctgtgt ctctctattg ggcacgactg ggctaccgcc gccacaggcg ccctacgcca 120
gggtgccagg tctcggggccc ttctccggca ccgagcaccc accagcggaa tataccatgg 180
aggtcaggcc catggtagct ctgcgtgccg ccctagttgg tggggtagcg gcatttgcca 240
agatcgggtgg ggcgatgaaa gccgcaggcg gtgtcaagat tgggtgcagcc gctgcagccg 300
tcacggctgc aacatcagct gccatatcgg gaaaagacgc ataagaagac acttcaaagc 360
cggaaacgaa atgatatgac ccatggattg gtcgacaagt atgaaatcgc ctctccagag 420
gtgtagaaga gagaggggtgc catagtcaat aagttacagg agtaaatttt gat 473

<210> 23660
<211> 470
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H5

<400> 23660

cccacgcgtc cgcccacgcg tccggccacg cgtccgccc cgcgtccgcc cacgcgtggc 60
gggcacgcgt ccggtataga caatgcaatg agagccttgt tccttttagc gctcttctgt 120
gtcgtgcatg gtgagaaggc aaagtcaaag gacaacgatg caaaagcgtc cggggcccggt 180
gggtccttcg acatcaccaa gttgggcgcc tccggcaatg gcaagacgga tagcacgaag 240
gctgtgcagg aggcgtgggc atcagcgtgc ggcggcaccg ggaagcagac gatcctcata 300

cccaagggcg acttactcgt cggaccactc aacttcacag gcccatgcaa gggcgacgtg 360
 accatccagg tgaatggcaa tctgctggcg accacggacc taagccagta caaggatcat 420
 ggtaattgga tcgagattct acgcgtggac aaccttgtca tcaccggcaa 470

<210> 23661
 <211> 471
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H6

<400> 23661

ggaaaatttt gcggggcggg aatgtgcccg accgtttgca gatttcatca atatgtgctg 60
 gaaaagtgca gcgcttcaat aggttcctat ccaaaccata ggatcatttg gcatacaaat 120
 gtatcgaaac ctgttgctgg ggtcccagct gcttggttg aacaatgatt ccatcgacgt 180
 cgcgagagtc cctttcggaa taacagatgg gaagacatag ggtaaatata gcaaagcgaa 240
 gcgagcatgt aggccacagt agtcagtctg ttgttccgaa agatgtgtat atatgtatta 300
 gcagcatgat tgttctgatt atctttttac tgattttcga tggtaggtct gttccatcaa 360
 gtatttaact aatcatttgt tgctgttggt ataggtcttt tgttctttta gccgtcgttt 420
 tgcattgaag atatgtagcc aaaattaaaa acctgtgtcg aacagttatg t 471

<210> 23662
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H7

<400> 23662

agaagttcca ttctgatgtt gctggtagga gctttcacia tgggaggttt atacagagga 60
 ggcgtcagaa agctgcgtct ttgccaatg ttcaattaga acaaggaact gttacatcac 120
 ttcttgaaga aaatggtact gttaaagggtg ttcgatacaa aaccaagtca ggtgaagaac 180
 taaaagctta tgcgcccttg acgattgtat gtgatggctg cttttcaa atctacggcgtg 240
 ccctttgctc tccaaaagtt gatgttccat catgttttgt tgggctggta ttggagaatt 300
 gccaaacttc acatccaaac catggccatg ttatcttggc caatccttcg ccaatcctat 360

tttacctaat tagcagcaca gaggtgctgt gtttggttga tgtccctggt cagaaggtgc 420
 cttccatagc tagcggtgaa atggcaaatt atctcaaa 458

<210> 23663
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H8

<400> 23663

cgccgtccta ctttcatata cctagcagtgt tctctgcata gaaagataaa aggtaggagg 60
 aggcgcagtg cgtgggtggga ttatttgtga ggagatattg gagttattat atatatatat 120
 atataggttag acgatagata gacagctaga tctatataac catggtggat gggttccgat 180
 ggatcagacc gggctctttc gtctgtact tgggtcttctt cttcctgtcc gcagccctgt 240
 cggaggccaa tatcgggcagc ttcatgaat actggcagca gcgcaagctc atggccgacg 300
 ccgcggctga ggccacgtac aagcatgacc cggctcagggt cgccaaccaa ctttaaccgtg 360
 cagtccacag atccgtcgag aaggaggaca ttggcacgag gcgggagatg atggggacga 420
 cgactaggaa gtctaagttc agcggggccgt gcaaggcg 458

<210> 23664
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H9

<400> 23664

ctgtatgtga tctctggtgt tgggtggcagc ttgctgtctt ctctatttat ggtgtcaaatt 60
 atggcagtcg gtgcttgagg tgcattatct ggactattgg gctcaatgct gtcagagctc 120
 ataacaaatt ggacgatata tgagaacaag tttgcagcac tcttgactct agttatgatc 180
 attctcatca acttagctgt tgggatcctt ccacatgttg acaacttcgc tcaccttgga 240
 ggatttatgt cagggttctg tcttggtttt gtgctgctaa tgcgaccaca gtttggatat 300
 attaaccaaa agaactctcc tcttgattt cccatgggag taactaaacg gaagttcaag 360
 acatatcaag tcatactttt ggttatttct acaatgatac 400

<210> 23665
<211> 224
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A1

<400> 23665

cccacgcggtt cggcaacgct cgctcgacac tgtcactagc tagttgctct actagagggc 60
gggtatagag ctgcctgcaa tccgccgctg agaagggagg atcggaagcg acgatgaggt 120
cgtttgctcc tgtctttctg tcggcggtcg tggcctggct ggagctggca gtcaccgggc 180
acggcggcaa cttctaccag gacacagaga tgacctcggg cgat 224

<210> 23666
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A11

<400> 23666

cagctataac aggatcaaga gcctggtgac cgaggagttg aagcagtatt tccggccaga 60
gttcttgaac agattggatg agatgattgt attccggcag ctgactaaat tggaggtgaa 120
ggagattgct gacattatgc tgaaagaagt gtttgacagg ctgaaggcca aggagattaa 180
tctccaggtc acggagaagt tccgagatag agttgttgac gaaggttata acccgagcta 240
tggtgccaga cttttgcggc gtgctatcat gaggcttctg gaggatagtc tggcagagaa 300
gatgctggct ggtgaggtga aagaaggtga ctctgccatc gttgatgtgg attcagatgg 360
caaggtgata gtcttgaatg gtggtaacgg tgttgctgag ccaactggaac ctgctctcaa 420
tacctaaccg aggtcaaaat catc 444

<210> 23667
<211> 456
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-A12

<400> 23667

```

cccacgcgtc cgggcatggc gatggggatg ccgccgatga gcaggacgag gaggttggcg 60
atgccatcgc atgaccgcca tcgaggagat ggccggcatg gacgtgctct gcagcgacaa 120
gaccggcacc ctcaccctca acaagctcac cgtcgacaag accctcatcg aggtgtgcgg 180
caagggcgtc gacaaggaca tgggtgctcct ctacgcgcgc agggcctccc gcgtcgagaa 240
ccaggacgcc atcgacacct gcatcgtcgg catgctcgcc gacccaagg agggccgcgc 300
cggcatcaag gaggtccact tcctccccctt caaccgggtg gagaagcgca cggncatcac 360
ctacatcgac ggcaacggcg actggcacag ggtcagcaag ggcgcccccg agcagatcat 420
cgagctgtgc ccgatgagca aggatgccga gaagaa 456

```

<210> 23668
 <211> 330
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A2

<400> 23668

```

gcacacgcga ccgacgacgc gtgggggtacg accaccagca agcgtgcgga ttcacgtgat 60
caacgccact gtcgcgggaa tcaaactact caactccaag ttcttccaca tcaacatcga 120
caactcagag agcatcaccg tgaaggacgt gaacatcacc gcgcccgcgc acgttgagaa 180
cacggacggc gtccacgtcg gaggtcctc caagatcagc atcctcaact cgaccatcgg 240
caccggcgac gactgcgtct cgattgggcc cgggtgcaac ggcgtcttgg tggacagcat 300
cacctgcggc cccgggcagg gcatcagcgt 330

```

<210> 23669
 <211> 141
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A3

<400> 23669

```

cccacgcgtc cgagttgatc gatgtactaa gaacaggatg tcaggacagc tagattgatt 60
gtgtaatttg taaccatata tgtatcgtct gatgacatta tgggcgtgtt tgtttgctgt 120

```

ctgcgaggca gcttttcatc t

141

<210> 23670

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A4

<400> 23670

actcagttga ggtactctga ttgtttttga aagctgggat ctactgcagg agtttgagct 60

tcagcatgag gtggaagatg cacatcaatg gatattggtg ccatctgggc aattcccaac 120

cagatcagtc tactagtctg tatttcatgg gtcagtacag ttcttaccaa gcaatttgat 180

ctggaaaacc tgtcttcgaa ggaaatgcac gtgctttcta tggtaggctg cacctaactg 240

tagctggaca actgatacac tagctcgctg cagcctgcct caccagaac attgtctgct 300

ttgtgaccag ctagaggaga acactaatta cattatatta tcatgtgact ttgcacgaca 360

atttttgcac caccttttgg gcattggcgg gg 392

<210> 23671

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G9

<400> 23671

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccggg cgacggcgcc 60

acggagactg tgatcatggg ccacaagagc ttcgatga acatcaccac caaggacacg 120

gccacgatgg aggcgatcgg gaacgggttc ctgatgcgcg ggatcggcgt gaagaacacg 180

gcgggagcca agaaccacca ggcggtggcg ctgcgggtgc agagcgacat gtcggcggtc 240

tacgagtgcc ggttcgacgg gtaccaggac acgctgtaca cgcacacgag ccgtcagtac 300

taccgcgact gcgtcatcac gggcaccatc gacttcatct tcggcaacgc gcatgtggtg 360

ttccagaact gcctcattca ggtgcgcaag tgcattggaca accagcagaa ca 412

<210> 23672

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F4

<400> 23672

cgacaacgac ggtagcctag atgactaggc attcagaatt ggggcttata tatgacactg 60
gaatagtgtg catggtggac atatagtgca gcaccatatt ggctatggga tgatatcaga 120
tgcacgaccc tgtctagatg atgcaaccac gacatgagac atggcttttag gaacctcttc 180
catgcaggga agaggaatca ccatctccat tgattgagga tcaactcgga ttagtactgg 240
gggccacctg tgaagaggag tcaccaaagc ctaaaatggt gttattccac tggaggatgg 300
ggaaccaat ggtcatgcgc taaggagggg acctaagaag actctagggg tggtgattaa 360
tgtgtgtgtg ttcatgatct cagtaggggt caatgttgcc gcaacgtagg ttcacaactc 420
aactactata actgacaggt ttaatttctt actgggttttc tgt 463

<210> 23673

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F6

<400> 23673

ggaaggctag ggtaggggtc ccagctcgcc gttgcctggg cgagccgagt gatggccgcg 60
cctgccccct ccggcgcagc tagtgccgcc gcctcaccgt ccccgctgat gcagctgccg 120
tcgccgttcg cggagctcgt caagggtccc tccggcctcg agaaggctcgt gtttcgcggc 180
gctcgcaact gctgtgccga gatttatctt tatggaggtc aagtaacatc atggaagaat 240
gacaatgggg aagacttgct tttcctcagc agcaaggcta ttttcaaacc tccaaaagct 300
attcgtggtg gtataaccaat ctgctttccc caatttggat cacatggaaa tcttgaacaa 360
catggattcg ctaggaaccg gttttggact attgacaaca atccaccttc tttaccatta 420
aaccctgcta ttaaagcctt tggtgatctg attct 455

<210> 23674

<211> 455

<212> DNA

<213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-F7

<400> 23674

```
ggccgccctt tttttttttt ttgatagaa cgaacaatgg gtgacaatag caagagtcca 60
ggactcagaa tttgggacag ccacgcagtt acatttttgt tttcctttcc tttctcagtt 120
acatatttgt aatccaggtg aagaggattt gtggtttagt gccagccagt ctgcggtcgt 180
cgacgatgtg ctattactga tcgtcgtcgt cgtccgagtc caactgcttg agcagcgagg 240
cgcatatggg cagcggcacg tccttgaagt agccgagcgg gttggcgggg cgcaggttgt 300
cgctgatgcc gacgttcttg gtgagcagga cgcgggcggg gtccctgtcc gcctgcacct 360
ggtcgcagtc cttgcgcggg ctctccacca agaccacctc gcagatgtcc tntcgtggc 420
tgtccttgag ctgatcgtg tacgttgccg tcgag 455
```

<210> 23675
 <211> 472
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-F8

<400> 23675

```
cggacgcgtg ggaggacgcg tgggcccctt tctccttctc gctcctcaat cacctgcagc 60
gaaaaggaaa aggggtgtcag accgtaacta agagctatct agcaataata catacatagc 120
tataccctct ttaggtcaag aggggtggagt tctccttatt cggaggaaga gctccatcct 180
cattctacaa gaccaaacca ataaatggcc tctagccac agtcctcgcc atcatcctcc 240
aagaagtcgc cgccaccaca agaagcatca gctttggcgc caaatcatc ttcaaagtca 300
ccctcgccac caaagggtga atcaaattca tctcccagtc ccccatcgaa atcgctccctg 360
tcaccaccgc cagcaccaaa gaaaagtgt agtacatcta gctctaaaga tgggaagacg 420
aagaagtcgt cttcatcgtc ttcacgtcgc gataatacag ncgctgtgat ca 472
```

<210> 23676
 <211> 349
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F9

<400> 23676

cccacgcgtc cgcgatccat caattgcaag atgagcaaga taccatcacc gtagcaccac 60
aggcgaggta ctaacaaggc gaccaacatc tcaaggctga cctacgtagc atcggtagtt 120
ctgaccctac tgctaacgac aggtcctaca agtgccatca tcgccgacgt gatcgcgtca 180
tctgacaatt tgatcagctg caaggctactg cgcaacttcg acaagtacta ttgccccgag 240
gccatctccc cagggaaacc cttcaactac tacacccgcg gcttctaccc gatcatcagc 300
tgtcaccgct gatcatatat ctcttgtcaa tgtgcgctca aatgtaatg 349

<210> 23677

<211> 332

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G1

<400> 23677

gcgcgtttcc ccagggatct ggaggcataa ctgttaagaa gaccggacag gcgctggtga 60
tcgggatctg aggacgagcc catgaccctt ggacagtgcg acatggtggt tgagaggctc 120
ggtgactacc ttttatagca aggcctgtga ttgaatgcat ccgaacaacg acaccaactc 180
taacattaat taattagtag ttttcatgcc ctgggattgt gcgtggacgc tactgttaca 240
ccacccatgc ttgatcggc attttttcct cttgtatat atcattctat tgtatcgtgt 300
tcacatataa ttttgtgatt cgattcctga gc 332

<210> 23678

<211> 187

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G11

<400> 23678

actcccactc gtcctcacag atttgaaca aagattaaaa aaaaagaaaa aaaaaaaaaa 60
aaaaatgtaa aaattataaa ggataaaaaa attaaaaaaa aataaataaa aaataataaa 120
taaaaatata aaataactta aataaaatta aataaaacat aattttacaa ttttctttac 180

tttaaaa

187

<210> 23679
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G12

<400> 23679

cccacgcgtc cgccacgcg tccgcccacg cgtccgcca cgcgtccgcc cagcgtccg 60
gggaagctgt gtcagcaagc aggccctcat ctgctactca cttcatgggc atgcacaaa 120
gccttggtat tcagctggcg cagcttggga aggatgcata tgcagcagca gctgcacgta 180
gagttagtgg tcaacgaaag gcggtcgagg ttgagtctgt tgcaactgct ggtaacaag 240
agactcgaga agtagtgaag aagttattcc gtgctgagtt tgtcgagagg caacatcaag 300
gtttagatga ggataccgat ttgagagctt tggagaatgg atttgtatcg gtcaccctc 360
tgaatgttca tgggcaagtg gagcctgaaa tccaagcccc agcttcagaa tggctctcag 420
cagctgtatc actagagaaa gaaaaggaag 450

<210> 23680
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G2

<400> 23680

caattcccag attcgacgca cagtcactc ctaatccacc atacctatgt ctaactgctt 60
tccaatcaac acatccaggc ttgccaacag tacacgttta cctatcaagc tgagccaatt 120
acactaacc ttactacttt aactccctaa ctttccctct cccacacaag ctaacaaaat 180
cacctattgc tatcttgcac tctaacttat aaacattcat tcataatcct acacacatat 240
aacttcacac cactcacttt tcaaccaatc tctatgacca attctgtcaa tcaacaattc 300
ctctcatact aggttcaatt actatcgcat acacattcat caatataccta aaactaacct 360
ttctcactac tgtctaaacc catctcacat tccctattga tcaactgaaca atccaacac 419

<210> 23681

<211> 462
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-G3

 <400> 23681

```

ctcgctccg cctcctccg ttcccaggt cgcgcgcgc gcgtctccct cacgggccag 60
tgcccgagca cccccctcac gcgccacagt cgaaaccaa gcagctcgcg gtggccacac 120
ccggacctcg ggctcgacat ggggttcatg ctcgctcgca agccgcgtcc gggggacgag 180
aagccggacc tggcgaactg gatgcggtgc ttctgtcgc agcgtctgtc tcagcccgcc 240
gcggcgccg aggagaccgc gaacgcggag ggtaaggccg ccgggagacg agaggaagag 300
gagggtggcg gggaatgacg ctgaccacct cgctgtcatg gtgaacgggc tgtacgggag 360
ttctgcgcat tggaagtttg cagcagagca gtttgtcaag agattggccg gaaaagtcta 420
cgtgcatcgt antcagagca attattcaca aataacatat ga 462
  
```

<210> 23682
 <211> 382
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-G4

 <400> 23682

```

tcatcaaatt catcactctc agcttctggt ttaaagctta ggaactctac cccggcatcg 60
gtctcctcta caaagctcgc tcaaatgctc tcaacctatt ccctcgaaca ccataccctg 120
tttttctcac ccccataat acatactccc ttactagcc tgtactctta actaaaagca 180
ttcactcata atcattgcac accgctacat tagcaccact aacttcttaa taccatcact 240
ataccctttc ataatacacc gaccattct actactctaa ttaacatccc ttctcctttc 300
atcagtagtg caaaactaac ctctctcact acaatataaa cccatctcaa acaccctata 360
ttgttaccaa ccattcacca ct 382
  
```

<210> 23683
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G5

<400> 23683

ggagttctgc ttcttcagac gggtttgggt ggactagctt ccgaatggca cgtctgagtc 60
ggcctcatct tgctgggtgt tatggcagtc gccaaactttg tccacactat tgagacactg 120
ctactgaaac tgaggattaa agcacagatg aagaaagcga acagcacaca ctatcgcccg 180
catcaaaatt gacaggcatc atcgtccttg gaaaacaagg atgctgacac cgcctctatt 240
gtaaatactt tcacccacat taacatttat tgcttgcctg acattctctg tctctaattt 300
tttcgtgaat tcgacctgct acatagaagt agatattcca cacaacatgg cggatgaaac 360
catatttaat ctttcttcga tcactactgc atgagcaatg tactatatat ctactctgat 420
gaaa 424

<210> 23684

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G7

<400> 23684

cccacgcgtc cgctggccgt aaaattgatg atccagagtt gttagaagca gttcgactga 60
ctatcattaa caacatgata cagtatcatc cagtaactac ttttaactttg tttttccttt 120
tgcttttata atttacaaca gcaataaatg aataaatggt gtttaatttg tgccaggagt 180
ccagcagtca attggctatg ggggcaactt ttggggcaga agcctctact gaagaggat 240
tacctaaact atgtcagaga catcttctaa atgcttaaca tatggactga aaacttttta 300
attctctaaa gagatttatg aaaccatctt aattgggttaa atctatcctg agaaattat 359

<210> 23685

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G8

<400> 23685

ggatcaagga catgaagtac agcaccaggg tgaaggatga ggaaggctac cctgccatcg 60

gcctcgtcaa caaagccact ggagaggctc tcaagcattc ccttggccag tcacaccctg 120
 ttctttctgac ccgccataat ccagactccc tggacgagtc tgtcctgtgg acagagagca 180
 gggacgttgg ggatgggttc cgctgcatta ggatgggtcaa caacatctac ctgaactttg 240
 atgctttaca tggagacaag gaccatggtg gtgtgcgcga cgggacggcc cttgtgctgt 300
 gggagtgggtg cgagggagac aaccagcgtt ggaagattgt tccctgggtga acaaggaaat 360
 gtgtgaccga gcccgcacca aggaagagct cctgccgtaa taagtgaagt gattggtact 420
 gaagtttctg 430

<210> 23686
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F3

<400> 23686

cccacgcgtc cgcacgaat cgtctcgtc gtggctgcc tactcgtgct gcttgccctc 60
 ggcgcggttt cctccacgcg cagcgcacaa aaggagtcg tggctgacaa cgccgggatg 120
 ttggcaggcg gcatcaagga cgtgccggcg aacgagaacg acctccagct ccaggagctc 180
 gcgcgcttcg ccgtcaatga gcacaaccaa aaggccaatg ctcttctggg gttcgagaag 240
 cttgtgaagg ccaagacaca agttgttgc ggcacgatgt actatctcac tattgaagtg 300
 aaggatggcg tagtcaagaa gctttatgaa gctaaggctt gggagaagcc atgggagaa 360
 ttcaagcagc tgcaggaatt caagcctgtt gaagaggggtg ctagc 405

<210> 23687
 <211> 270
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D8

<400> 23687

tgcgtcacca ttgattacat ctagcgtcgg tttatcggct cgaacaacaa gaccatggct 60
 agattcactt acaccgaggg cagcaccaat gtttgccctc aggagcttgc atgcttctat 120
 accctccatc tactgacca tctctctagt tataatatat ctctctttct tttattgcat 180

attatTTTTct atccatttct tacgctcaac tttttatcta cttacatcca acatctatat 240
tatgttctac tgtttaacat cctttatttt 270

<210> 23688
<211> 204
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D9

<400> 23688

caaaaatggc aaaggctctc ctaggtggcc tatcggcgat cctcgtcgtg gcggtggctg 60
tcggtgtggt cgccaagcgc acccccttcg gcaagaatgc ccgcgaccac ttcacggctc 120
cgggggaggc tttccttgcc acgttcggca agtcgggtcaa gttcctgtgc gcgcccaccc 180
tatacaagga gtccctgccag aaga 204

<210> 23689
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E1

<400> 23689

gcgattggat tcaaggatat gactagccac tgcgaagccc tgacgatcgg gaaacagcag 60
aaagtgtctg ccttcatgag cttgcagcaa agcgtgcaag ctgcaggggt gccaggcagc 120
cagcccaacc agacgacgga gctggacctt ttccaagacc tgcagttgcc tcaggccggg 180
gcgcagagca caaaccatt ctctgatgag agcgttcagg gatacccaca gtacatgaac 240
gggccaacg gcgacaacgc acagccaggc caggacttcc aacagcagtc tctgaagcta 300
ccggcggcga gcccgtaga caatttcta agggcttctg gctgtagga gtccagttac 360
atggacgaca accaccttac ctcaagatag tccaacgga agatcctgca atttttccac 420
attttgcagg gaaa 434

<210> 23690
<211> 416
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-017-Q1-K1-E11

<400> 23690

cggacgcgtg ggcggtaggt gcattgcttc ggtgggtccac catggcgag cgagcgggtg 60
ccgcgatgac gactaataag ccccttctcc tcctcgccct ggcggtccgag ctcccttggtg 120
cggcgccggc cgccgcgaac gcgcccggcg gggcggttcag caactgggtg gcgatgaacc 180
agcagagcta cgcgctgtac gcgcagaagt ccgtcgggga cgggggcaag gagccccctg 240
acaagaagct gtcggaggcg gagaagaaga aggtcacgta cgtgggtggac ccagcgggca 300
agggcgacta caccaacatc accgcggcg cgggaggatat cccggtgagc aacaccaaac 360
gcgtgatcct ggacctcaag cccggcgctc aggtccgga gaagctgntc cctgac 416

<210> 23691
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E12

<400> 23691

cccacgcgtc cgggcgccctc cggcaatggc aagacagaca gcacgaaggc tgtgcaggag 60
gcgtgggcat cggcgtgcgg cggcactggg aagcagacaa tcctcatacc caagggcgac 120
ttccttgctg gacaactcaa cttcacaggc ccttgcaagg gcgacgtgac catccagggtg 180
gatggcaatc tgctggcgac cacggaccta agccagtaca aggaacatgg taattggatc 240
gagattctac gcgtggataa cctggtcac accggcaagg gaaaccttga cgggcagggc 300
ccagccgtgt ggagcaagaa ctctgcacc aagaagtacg actgcaagat cctttccaac 360
tcgcttgatg tggacttcgt 380

<210> 23692
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E2

<400> 23692

ggccgcccctt tttttttttt tttttttgtt tttgtttttt gggttttttt ttttttaaac 60
 gatggggggcc tctgctctga cgaattattc acaaataatg gggagaaata aatacatacc 120
 atgtcttttg gtgccaacca agctggatgc aaatcagtag tccatggagc cgaaatccgg 180
 ctctgcggc ctgggaagca tgatgaggct gtcggcccgg acggatcgct ggcgctgcac 240
 gccgcgcatg gcgttcttg caaaacgcga cacgaggagc gtggtcttga acctgctcgt 300
 ggaaaccccg gacgcgtctg ccttcattct ctccttcggc cgcctttgct tggccgcctt 360
 tcgtttgagg taccttcttc atgcggcctt tattaagcaa gaggc 405

<210> 23693
 <211> 344
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E3

<400> 23693

cgacgagacc tctcgcagcg agtgggacga tcctctccaa cgggtggcgca gtccaagaaa 60
 tggctcatat tgcaaacggc cgggaccatg gcaactgcgt ctcccttctt cgtgtcaata 120
 gcgcaaactc caaccagagc aacatgctga tcctccagga gagctgcacg gacgcatcgg 180
 gtcatacgt ggtgtacgcg ccggtggatg tgggtggccat gaacgtggtg ctcaatggcg 240
 gtgacccgga ctacgtggcc ctgctgccgt caggcttgcg catcctcccc gacggaccgt 300
 cggcgcgggg catggctccc catcacggag gaaaggggtgc tgcc 344

<210> 23694
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E4

<400> 23694

ccagcctcat aagcctgcgg ttaggggggc ataaccccaa ccggagagga cggccgacgg 60
 gtacgagcta cgtagccgtg gtccggcgag tcggggatgc caggctccttg acaatgaccc 120
 actggaaaag gcaaatgcat ccattaggag cagaactctc atgaacaagc ttgttctgcc 180
 ttacttttg gttgaacttg tgataaccaa cccaaactgc caaaaaatct ggtgttgcta 240

catttgatc aatctttacc tgagcttggtg tttttgtaag cttatgcatg tacctccaca 300
 tgtatagata tgctacctac attttctttc tgtgggcata tgatatgttg acaaggtcac 360
 agatatactc tcagtatatg atgacgcttc tatgaatcta tatgcttcaa aatcatcaaa 420
 aaggaaaagc tgcaggggga tgccaactcc acagtacaca tact 464

<210> 23695
 <211> 215
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-017-Q1-K1-E5
 <400> 23695

tcccactctt cctaccactc gtactctcag tcttacgacc acgcatacta acaaacaggc 60
 gagtacacat acaaacacgc atcctaaaaa aaaattaaaa aataataaaa aaaaaaaaaac 120
 aaacaataaa acaaaaccac aaaaattatc tatcaagaaa aattaaaaaa cacatttaaa 180
 attaaaaaat atttaaacca acacaataaa aatat 215

<210> 23696
 <211> 467
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-E7
 <400> 23696

gcttttgtca aaacattacc aacacaaggg gagaaaaaga tggaacatgg aaattgaggt 60
 gcctcangtt ctggagtgtc agaacgggta aaacaaaaag gaagcgctgc atcaggtcca 120
 tctctagatg ggagcacaaa agttatgggt tggcaactgc cgggctcatc tctagagggc 180
 agtgcaaaag tttcagggtg gaaaccacca gtcttatcac ttgaagggat tgctaattgt 240
 tcaggttcac aagcatcgtg tccttctacg caaaggggca caaaatcttc aggttggcag 300
 cgatcaagtt catccccgga tgggagcaga aaagcctcag gttggcaaca gtcaagtaca 360
 tcaccagagg ggagtggaaa agcgcacatg tggcaacgat caggatcttt taccagggg 420
 ggtacaaagg ctgcangtcg gcaaccctct cgttcctgta cagatcg 467

<210> 23697
 <211> 400
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-E8

 <400> 23697

 gccacgcgta cggacgaaag aagtgggtgta attcttttga tcgaattacg cgcttggttg 60
 gaccgacgct cgggtgtttat acgtaatctg aagcttatag gaacatttga gtggatgatg 120
 gactgattgg taggcctctt gaaagtgcag ntgggtgaggg gcatcaacct tggctaccgg 180
 gacgcatgag gcagcgatgc gtatgtcgtc ctacgacttg gcaagactaa acttacgacg 240
 agcgtgaaca tgagatctgt gaaccacatc tggcgcgacg agcttactct gaccgtcaca 300
 gataccagcc tagctctgaa gctggagggtg ttctacaagg acacgttcag tacggtcgac 360
 ccgatgggtg actcatagat cgacgttgca cccttggttg 400

<210> 23698
 <211> 324
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-E9

 <400> 23698

 cccacgcgtc cgcccacggg tcctcccacg cttccgccc cgcgtccgct tcctagcacc 60
 ttgtcgtgtt ctattagggc gataattgct cttatttccc atccttaacc acacagccca 120
 cttaactatc attcatgcaa tcttcttcgg tcagggtgaca tcagaggcta tctatcaatg 180
 gacctcatct atacaacgct ggctgacatg ccaaataaag gtcaaatacta taacatttgc 240
 caagccaata tcctatgtca ttacaatatc tcttctttta ttactagtgc tttacgtctt 300
 tcaactctct cattcttctt tact 324

<210> 23699
 <211> 470
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-F1

<400> 23699

tgcttatttg aacttggagg ctggaaattc aagcccaacg gttcatgtcg agctaacaaa 60

tgccgatgag aaactggcca atcttgcaga agacaagaat cggcgacttt cagatgcaag 120

ccagttaaga acaggttcaa acccaatggt tgatgttgag ctaacaaatt tcgatgagaa 180

actggccaat cttgcagaag gcaagaatca gcgactttca gatgcaagcc agttaagaac 240

aggttcaaac ccaatgggtg atgttgagct aacaaatttc gatgagaaac tggccaatct 300

tgcagaagac aagaatcagc gactttcaga tgcaaaccag ttaagaacag ggaggcttgg 360

tgaagaactg gtcgagaaat atttggccaa acagctaggt tccaacaatg ttaggtgggt 420

gaacaacaga atttgaaccg gactgcccta tgatatttgt ataacacacc 470

<210> 23700

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F10

<400> 23700

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtggggg agttcctgta 60

cgtagacttg taaaagctgc cgactcagtt tcggtatgcc tatctaaagg gttaggcgca 120

cccatcggat cagttgttgt tggttcagag gccttcacgc acaaggctag aattccttagg 180

aagaccctag gcggtgggat gagacaggtt ggagttcttt gtgccgctgc ttatgttgct 240

gttcgtgaca ccgtgggaaa gcttgccgat gatcacagga aggctaaagc cttggcagag 300

ggcctcacga aaattaaaca gttcacggtg gattcatctt cggtcgagac caatatggtg 360

ttcttcgata tcggggatcc acaca 385

<210> 23701

<211> 152

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-F11

<400> 23701

tcganctgcg taccggtaat ctgaagcctt acanggaacc atttgaggtg gatcatngga 60

cccggattgg tagggcctac ttgaaaggt cccgagtggt gagggggcag tcanagcctt 120
gcctttaccg cgacgtcaag gactgcagcg at 152

<210> 23702
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F12

<400> 23702

cccacgcgtc cggaggtggt gccggtgggc gtgctgctgc tgctgctcgt ggtggtggct 60
gtgcaggtgc ggagatcgtc gatcgatcgc tgcggttcgt cggcggcggg gtcgagatgt 120
cgatggactt cggtgccccg gcggatgacc ccaaggcttt ccgcaacatc tgccgcgacc 180
ggatactgaa ggacctgctt aagcctgaca aggataagga gacaaaaagc tcatggaagg 240
ttcttataat ggacaaattc acggtgaaga tcatggctta tgcttgtaag atggcggaaa 300
ttaccgatgc agggatttcg cttgtagaag atctgttcaa gagaaaggag ccaatgcctt 360
caatggatgc aatctacttt cttcaggcac ttgaagaaaa tgcataatg cttctatctg 420
acatgctc 427

<210> 23703
<211> 242
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F2

<400> 23703

cggacacgtg gggagtgctg ctagaaagac ccataaaacc cctcgacatt attgcattaa 60
gtattagaaa aaaaaaaaaa gaaaaaaaaa aaaaaaaaaa caaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaataaaaaa aaaaaaaaaa aaagacaaaa aaaaaaaca aaaaaaacat 180
aaaacacgcc aagcaaaaaa aaaacaaaac actaaatatt aaaaaaacac aaaccattta 240
aa 242

<210> 23704
<211> 410

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D6

<400> 23704

cccacgcgtc cgcccacgcg tccgcccacg cttccgcgta cgggacgaag accatgagtg 60
 gggacgcctc agaaggatgat cctcatcaac gacatgttcc ccggccctac catcaactgc 120
 acatccaaca acaacatcgt catcaatgtc ttcaacatgc tcgaccagcc gtcctctctc 180
 acctggcacg ggatccagca gaggaagaac tcatggcagg acggcatgct gggcaccatg 240
 tgccaatcc agccaacac caacttcacg taccactggc agccaagga ccagatcggc 300
 agcttcttct attacccag caccggcatg cagcggggcg ctggcgccta ctggctcatc 360
 agcgtccaca gccgtgacct gatcccggtc cccttcgaca cgcctgccta 410

<210> 23705
 <211> 80
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C11

<400> 23705

acgactagaa gggataaact ggcattcccag cgcaaacttg acgagctgag tctattataa 60
 acatgggggt ctgagtttag 80

<210> 23706
 <211> 476
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-C12

<400> 23706

ggcacatctc ttgcctctc tttcgcgctg tccggagagg aggggcagga ggaggccgca 60
 cgaaaatcta tctggggatc ggagcgcggg cgacaagatg ccacgcggcg gcaagcccg 120
 ggcttcgtcg aagccgaacc cgttcgactc ggactcggac tcggagtcca gcaataagcc 180
 ggccaacaag tccggggcgt cgctcgacca ggcccccgcc gacgccaaga agcggtaaa 240

ggacgggttc cgggactcgg gcgggctgga gaaccagtcg gtgcaggagc tggagcacta 300
 cgcggcgtac aaggccgagg agacgacgga cgcgctcgcc ggctgcctgc gcatcgccga 360
 ggacatcagg caggacgcca gcgacacgct gatcacgctg cacaagcang gggagcagat 420
 cagccggacg cacgagaagg gccgtcagat cgaccaggac ctcgncaaga gcgaga 476

<210> 23707

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C4

<400> 23707

cggacgcgtg ggggcggtgt tgcggatgca ggtggacgcg ttcaacaagc gcaccgaggc 60
 ggcgagggcg cacgtcaagg aggccgccgt gacggcgctc cccaaggcgc ggacggtgct 120
 ggacctgtgc aacaacctgt acctggacgt ggaggacaac ctgggagcct gccgccgcgc 180
 catcggcttc aaggacgccg tcaccatccg cgccaccatg ggcatggcgg cgcaggacat 240
 gcagaactgc gacgagcagt tcaggcagat cggcgagaag aaccccatgg agcagttcga 300
 cgcgtcgctc gtcgagatgt ccgagaactg ccgctcgctc tccaacatga tctgatcgat 360
 ctctttctcc acggacgaca acagagagcc gggcgttttg ggccctcgca tcgtttgtcg 420
 ccgctgctaa cgttcgcatg cccatgcccg cgagcgcgct ctgcgcgcac aat 473

<210> 23708

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C5

<400> 23708

acgcccacgc gtacgcctac gcgtggggca gcagatgcgg ctcatcgacc agactgacgc 60
 gcgtgtgcac cgcaccctga tgcgcaccgt cgtcggtcaa gtgggcagga tggcggagac 120
 gatcgttcta cctgtggaac tactacggca gctcaagccc gcagagttcg gcgacaccga 180
 tgagtaccac caatggcagt tccggcagat caagctcctg gaggccggac ttatcctgca 240
 cccctccctg cgtctcgacc gtctccactc tgacgtgctc cggatccgcg aggtcatgcy 300

cgcaacagat atccgtgcc a tcgacaccag caagaactcc gacgtgatgc ggcactaag 360
 caacgccgtg cagctctct agtggcgc 388

<210> 23709
 <211> 450
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C6

<400> 23709

cccacgcgtc cgcccacgcg tccgcccacg cgtccgggtgc cgccgccacc gtcgtggccg 60
 gctccccgcc tgaacgctcg tctccccgag atccctctctc gcgctcgccg cgcgcgccat 120
 gccgtcgcgc cgcccctccc cggctctctc cctctctctc gcgctctcgc tcgccctcct 180
 ctctcttctc ctctccccct cttccccctc cactctccgc ttctctcgct cctcagctc 240
 tggctccgct ttgcctctct catctccggc gtcaacctcc gcctcgccgt caccgtcaa 300
 gatctacctg tacgacctgc cggccaagtt tacctacggc gtcgtccgta gctacaaggc 360
 tgcgcggtgcg acatctggct ccgcgaacgc cgctgctact ctgcccgacg agcaactgcg 420
 gtacccggga caccagcact cggcggagtg 450

<210> 23710
 <211> 377
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C7

<400> 23710

cgctgtctct cctctctca tcagctcctg cttgcactcc ggcaggaaat tagatggaca 60
 cgctcaaag cgaaaggggt ccgaactcct tacataaaaa aatgaatttt atgctcacca 120
 tatatacgaa ttccactaca ctcaattaga tgaagttgtc aattactatc cacaacttta 180
 ccatggtgtg cacaaatgtg gtattcctat ttacatataa ctaattggga aagttcatac 240
 ctacaaacta gtgcaaataa caactattga ccgttatata aaatatcatg tcaaacagtt 300
 tgagagatgt ctccacatga tgtttccagc ttgttctatt gctgcaaaaa ggcacatata 360
 ctcatctact gcgatat 377

<210> 23711
 <211> 471
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-C8

 <400> 23711

cggacgcgtg ggcggacgcg tgggtccaac tttgttgtgc attagtgttc ttgtagtcac 60
 gcctctatcc aagggccaaa atgggaagct ggtgtcgtaa tggtttattg aaggggaaaa 120
 acagattgat acctggttct tgggtcaatgt tgctgggacg ccttcacacc aatctgcaat 180
 tttcatcata tttggctggt ttttctgct cctgatcaga ttttgaaaga gctaaccatt 240
 gccacaatc aacttactgt ccggttcggt caggggtgtg ctagctcctc ccaaagtttc 300
 tctccaatat ctatacaatt tgtgccagtc catctaata ccccgcgccc ctagagaata 360
 ggcattgaag aaactggtag cctgttcctc aagatcatag gggggaaaaa agcacataat 420
 atataacgaa ctcatctgct gntctttcaa taattgtatg gtcatcacgg a 471

<210> 23712
 <211> 410
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-D1

 <400> 23712

gacgcggacg cgtgggctga cgcgtgggat gatgttgagg ttcctgaaag caaggaaatt 60
 taatggttga cggagcaaag cagatgtggt cagagatgct tagatggagg aaggaatttg 120
 gtgctgacga tatagaggaa ttcgactaca ctgaattaga tgaagttgtg aagtactatc 180
 cacaacttta ccatggtgtg gacaaagggtg gaaggcctat ttacatagaa ctaattggga 240
 aagttgatac ctacaaacta gtgcaaataa caactattga ccgttatata aaatatcatg 300
 tgaaagagtt tgagagatgt ctccagatga ggtttccagc ttgttctatt gctgcaaaaa 360
 ggcacataga ctcatctact gcgatattgg atgtgaaagg cgtgggccta 410

<210> 23713
 <211> 487

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-D10

 <400> 23713

 gtctcgtctt cgaggacctg ctgcgcagg gcggcctcgc cgaggtcgag aagaagaacg 60
 cgcgcaaggc cggcgcgctc tacgacacca tcgacgccag cggagggtac tacgtctgcc 120
 ccgtcgacaa gtccgtgcgc tcgcacatga acgtgccctt caccctggcc aagggcccg 180
 acttcgagaa gcagttcatc gccgaggcgg ccaaggaggg catggtgcag ctcaaggggc 240
 acagggtctgt cggcggcgctc cgcgcccttca tctacaatgc catgccgctc gccggcgtgg 300
 agaagctcgt cgccttcatg aaggacttcc aagccaggaa cccttgattg ccttgtgctt 360
 atggtcattt ggtattgcta ctcagtcttt ctccctagca taagtgggct cgtgcaagag 420
 ctgtctcgcg ttgcgcactg ggatctaact gtagtattag taccaatacg taacggctac 480
 tgtattt 487

<210> 23714
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-D11

 <400> 23714

 cccacgcgctc cggttctgtt tgtgccaagc ttgttggaaat gcttgccttc agtggatata 60
 tggaagaata actggattct gtacaaaaaa tcaaaggcag aaaggagca gcaaactgtt 120
 aaaaaggaaa agagccctgg tgatccaaaa gagcagatgc aaggggagct gaacaatggt 180
 aaaaatttag atgctgatca attaaaagag gctgatgttg gttgcagtga tatgaaaaat 240
 gagaaagact atgttgatat caaacagcaa ggcaatgatg gagagggtac gggtaaagtt 300
 gaggaacctg ttcagaagat ggggtgggat gttgaaggaa aaagtacggg tgactcctct 360
 attgaccatg caacaactgg ggataaaaag cccacataaa agaaaataat ataaa 415

<210> 23715
 <211> 406
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D2

<400> 23715

gaagcgcgcc gggcatggca ccgccgacgg caacgaggcc atctgcaccg gcgaccacga 60
cgggtgggtg ctggaggagc tcatgtggac catgttctgc aacggcaaga ggggtgggcta 120
cgcggtgcgg cgggacccca ccgaggtcgg acatggacgg ccccgacggc gagatggcgt 180
acatgcgcgg gagcttcgag cacaccgtcg ggtcccggga ctcgagtcg ctctacatgg 240
tcggaccgcc cggcggcgac tgcccggagc tcgcatctt cttcgttagg ctatgaattg 300
aaccgagcga accatacgaa tcgaacaata cagtgtacac gtcgcagtcg tgggtgtctaa 360
tctctcgctt ggtctcgctt gttgttcagc agcctcagct agcgtc 406

<210> 23716

<211> 403

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-D3

<400> 23716

cccacgcgtc cgcttctcct atgctgatac ccagaggcac cgncttggtc caaactatct 60
gagtgtctggc tgtgaatgca ccaaaatgtg cccaccacaa caaccaccat gatgggttca 120
tgaacttcat gcacagggac gaagaggtga actacttccc ttcgaggttt gatcccgccc 180
gtcacgcgga gaaggtcccc attcctcccc gtgttctaac aggctgtcgt gagaagtgca 240
tcattcagaa ggagaacaac ttcaagcang ctggcgagag atatcgatcc ttcgaccctg 300
caaggcaaga ccggttcac cagcgatggg ttgacgcact gacagaccct cgcgtgaccc 360
atgaacacca taccatttgg atctcctact ggtcccagtg tga 403

<210> 23717

<211> 411

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-D4

<400> 23717

ctcagcaaat tcgtttcctc aaacattaga ttggcttcac agctatcttc ttcagtgcac 60
ggagcgaggt cttttggctg cgtgtttaga aagctgcaat caaggtcaat gacactcttg 120
gatgtaacct gtccaaccac acctcagtgg gcattatatg ctggcaatgg aactaagaa 180
tatcattgta aaggattacg catgagtctg gatatcatct ccaaccaaga ccgatgtgaa 240
aataccatcg tgatgttgtc aataccagcc ataagcgtgg gtctgtctga ttggggttac 300
tcgcattaat attgtactgt attgtattag aggttatgcg gcatactcat aatctgaata 360
agataacaaa atttggcatt gtttgcttta aaaaaaaaaa aannaatata t 411

<210> 23718
<211> 343
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-017-Q1-K1-D5
<400> 23718

ctcaatctct cccctgaacg acgccgcggg gcccgaggc gtcgcatgtc ggcccggcag 60
aggagccccg cgctggcctc caggcacgcg acgccggctg ccgcaaggcc cgccgccagc 120
ctgggagtga aagagtcaac acggccctcg tcttcagtgg gattagaaaa aatagattga 180
tttagttaat tgactcttgc tcctcttcag tggcacacgc aaagacaacc gacgaaaaat 240
gaatcgaatg tgctccacca tgttttctgt cgtgtgacca aaatggagca atatgcatag 300
ctttttttgc aaaaaaaaaa ataagttaa acacttataa aaa 343

<210> 23719
<211> 444
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-017-Q1-K1-C1
<400> 23719

gcgcccacgc gtacgccac gcgtccgggt ggagttcccc agtgggaata tgccaatgca 60
actggtaatg ttcaaggcag atttgcccat tcaggagcca cagaaatcgc aaatgttggt 120
tttcatgaat atcagaatgg cccttcaact atttgcggg gaccagtacc ttatttccac 180
cagcatgcga tgcattggcat gcaagctctt gatcctactc aaatgcaagt tccttatcaa 240

caatgccaca gtaatggttt cttgcatggt ggtattaatt accctggaaa ccgtctccaa 300
 ttaggtccac gaaatccagt tctcttcacc aggtctgaac gtgcttttgg gcctccacag 360
 catccgttcc tggcaaatcc agttaaccac cgcaacataa ggattctacc acccgagcat 420
 gctacaataa tggatttttc gaga 444

<210> 23720
 <211> 352
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-A4
 <400> 23720

tagatcgcgga gcgccccctt tttttttggt tttgagacng aacaaacaaa taaaaccata 60
 ggcaatagca catcagcgga gcgaagcaaa gcaaagcaac cagtaaaaca aaattgggta 120
 ggcagaagaa ccagcaatgt ttgagaacca aaccagccaa aatactggaa cagcaatata 180
 gtctgctcac gaccaaccaa accttcgact cataacatcc tgaacaagca cttcatctct 240
 ggcttggtta tatgatattg ctattgtttt gttagaacta gcctgcagct tgttcattca 300
 aaagcccact gattctccct gctcaattta tcctctatcc tcaactctga aa 352

<210> 23721
 <211> 316
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-017-Q1-K1-A5
 <400> 23721

cggacgcgtg ggcgtggatg tgcttgggag tccctgtcgt cttctatgcc tccgggagaa 60
 gtgtcataag aattcgtgag caaagctatc gcgtgagcat cataaaggcg gcaatctacc 120
 cgggaaacgt gctctcactt tacatgacga agccaccagg cttcaagtac aaaagcggga 180
 tgtacatgtt tgtaaaatgc ccagacgttt cgcttttcga atggcaccce ttctccatca 240
 cttcggtccc tggagatgac tactcgagcg tgcatatccg tacgctaagt gattggacat 300
 cagaactcaa gaatct 316

<210> 23722
 <211> 472
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-A6

 <400> 23722

```

cccacgcgtc cggcgacgcg ctcaagacct acgcgcgcgc gtggctgccg gccgttgcca 60
agagcgggta cctgggtgctg gagcaaaccg acatcagcac agccgagtgg aacagccggc 120
ttcttgtcga aaagatgggtg agcttgctcc ccgccgagag gaacgccgtc tcttgacgct 180
tctttctcaa gcttctcaag gcagccagcg tcttggggcg ctctcccgcg tccaaggcag 240
agctcacgag gaggggtggcg ctgcagctgg aagacgccag cgtgagcgac ctctgatac 300
cgtcgtcgtg cggggggcgag acgctgtacg acgtggacgc cgtgacggcc atccttgaag 360
agctggcgct gcggcaagcg gcggcggcgg ggggtcccga ggcaagccc cgcacgcgc 420
gcggacacag gcggtcgcgg tccgncgaga gctcggagta cgagggagcg cg 472
  
```

<210> 23723
 <211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-A7

 <400> 23723

```

cccacgcgtc cgaaaaggca ggaataagc cagtcgatag cgagttctac tactagtagc 60
tggcctgctg atctgttctg ttgtttagtt cgcaaagcct tctgtttcgg cgaccatgga 120
tgatgagagg aacacccatc agcaccaggg cggtgaggcc catcatgact ttttcgatca 180
tgttgacttg aaggataggg ggctcctgga cagccttctc tgcaggaaga agcacgacta 240
ctaccaggag aagaagaagc atacggatta gctggcgacc ggcatggata aggtcacggt 300
gtccgagccc gataagcacg gtcacaagggt ggatgagcac gaagtcttct gccagaagaa 360
agagggcctt ttttccaaac ttttccttac caatttcagc tt 402
  
```

<210> 23724
 <211> 211

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-A8

 <400> 23724

 gcagagcgcg ctggaggctg agatgaagga tatctttgtc cgctacagag gattcgtcaa 60
 gcgtaatggg gtgggtgtct tcgcggtagt gttgtaagag gcagacgtgt ccaaggccat 120
 tctaggttac atcactgcaa acttgatcca gagcattgcg ctcgtccttt ccagcataaa 180
 tgcattcacc acgaaattca agaacgcgga c 211

<210> 23725
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-A9

 <400> 23725

 cacattcaag cacctcctct tccccgccg ggcaacaact cagccgccgc aaccgccaca 60
 tgagccatgg gcgcctgcgc aaccaagccc aagacgcttg aggggcaggc ccagctgag 120
 gccgccgtct ccacacccaa ggttgcgccc gagggcactc caatctccgt tgaggttgcg 180
 gctgatgaac aggtagctga gaagggtgtg gtggaggagc cggctgcggc ggccgacgtt 240
 gagcatcaga aggctaata ggtgctcgct ccagaggcgg ccgtcgccga gcccgaccac 300
 aaggaggagg aagccgtgga gaagaccgtc gtcgaggagg agaagccagc ggcagcagcc 360
 catgcagagg aaaaggtcgc caccgncgtc gagaccacga cgacg 405

<210> 23726
 <211> 341
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-B1

 <400> 23726

 gacgccacgc gtccgagcag cgtcatgtga gggccaaagc tgtcagcacc tacttgtccg 60
 gctcgccaac actggaatct cctattcgag ttccagcatc tctctctggg tcccgtggtg 120

gttcagggttc ctctgaggag actgtacagt tcatgatggt ttattcactt ctgtcggagt 180
 catacgagag ttggctccaa acaccgctg tgtttctaca gaggggcatc taccatgcct 240
 acatgcaaca tatgcacggg cggtogaccc tcaagctgtc atcggactcg tcatcatcag 300
 cagttcgggc agacgaaagt tcatcctctg atacaagtga c 341

<210> 23727
 <211> 392
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-017-Q1-K1-B11
 <400> 23727

ccattcgttt acctgaagca caagaataga cgcagccggg catgggcgaa gctaagctca 60
 agaacgtgac cgtcctgctg gtggccctcc tcctcctgag cagtggcggt caggacgctg 120
 ccgccatgcc aggcacgttg aactacgacg cgattgtcgc cgacgagcca aacggaaaga 180
 acaaggacct gtaccgtccc gtcgccaacg ccaataaata caccgcggg tgcgagccca 240
 tagaacgctg caggggcgcg cgctgatcac caagcatata catatagcac atcgatttct 300
 tattattgca tgcacgttta tataagtgtc cattgtcttg ctgttgtaag tgccagcaca 360
 agcatatata cggcgtttat atatactaaa aa 392

<210> 23728
 <211> 340
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-017-Q1-K1-B12
 <400> 23728

gatcccgggt cgaccgcct cgcgccacgc gtccctgact ctggctgcgc ttggtaaaac 60
 ggacttccgt tccatgctag cgcgctatct catcggcctg cactccacct tcccgaacaa 120
 tcttaccctt tgtgtttctc tgtctgtctg gcaatctatc gatctccatg acgacttccc 180
 cgccgcgcac acacctgtc gccatggcac tagcgtggc attcacctgc atgctgctcg 240
 tcaggtcctc ggacaccacc acactctgtc gtcocgetta caggtgcaac cctgccacgg 300
 acaggacgtt cagaccctat agcgtctgtg ttgtgtctatc 340

<210> 23729
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-B4

<400> 23729

 cccacgcgtc cgtctctctc ccgtcgccgg gatcccgccg gtgacaatgg tgaggtggtt 60
 gtcgcccgcg ccgccagcgg acggcgagat acccttcgga cagcagccg tcgccttgtc 120
 cttcttcgtg gcgtgtgtgg ccgccaccgt cgcgctcgcg tcgtccatgt gctcggcatg 180
 cggtcgcaag ccgaaggcgg ccacccgtgc agacccggcc gcttcggacc agtccgncgg 240
 gacgggctcg ggctctgtct tcggcagcgg cggaagccag gaggctagcg ccgaggaggc 300
 ggaagaggaa gtggtgagac tgtcaccgga gctggcgacg cagggcgcca tcgaccgggt 360
 gacgctgtcg tcgtcgacat cgaagcggcg cctgtccatc agcgtgagcc agaagctgag 420
 catgaaca 428

<210> 23730
 <211> 290
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-B5

<400> 23730

 agagatgata ctcgacatgc tcatacgaca gactgatcca cagagggtgt gcagcgaggt 60
 gggctctgtg gtgttcgatg gcgctcgatc tgtcatctag gggattgaat ctgtcatctg 120
 gatagaaaac ctgtgctcag atgtcatgtg ctcagcctgt catatggctg tcatgcggat 180
 agagaaccag ctacgcgaaa tacaagacca aggagctcat acttcaatac ctaactagct 240
 atgtgagcgt ctgccgagcc cctacagata gtcaacaact agctatcatg 290

<210> 23731
 <211> 474
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-B6

<400> 23731

cgacgaaagc tatagccagc tagtaacaag agcaaaaaca ccatcatctc atccgcgcgt 60
cgcaacgccca cccaatggc ccagagcacg aggatgggtg cgctggccct ggtgggtctc 120
ctggtggcgg cgacggcgtc ggtgcccacg gccaccgcgt acggctgcta cgacgactgc 180
tacgagcggg ggcgcaacgg caagaaggac gaccccgccct gcaccaagat gtgcaaccag 240
gcgtgcggca gcaccgacaa gggcgccgtc gccggcgcg cggcttgatc gacccgggct 300
tcacgcggcg gggggctcag ctcgatatca gcatcatata caatcgctgc tccgtcgctc 360
acgtcagccc atgcatgac tctcgacccg gccattgaa tcttctcctt ctactatagt 420
atatctttgt tgcaggtctt cgttctcata catcgatcca ctcacttttt tttt 474

<210> 23732

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-B7

<400> 23732

cccacgcgtc cggtcgcgcc ctccgatgcg gatttggtct gcgcggcggc gtcgggctcc 60
ggttgctcgc gccaacgccca atgtcgctcg ccgatggcgg ccagtcgcgc aagaggctcg 120
tggtcggcgt cctctctgtg tgctgctcg tcgccatggt tategggacg gtcattgtct 180
tcgtgagcga gaaggccggc tacgactcgg agctgaggaa gcgcatcatg agcaagacga 240
tgcgacgcgt ggaactcttc tgcgcgccc cggactacca aggcacgtgc cacgagacgc 300
tggagacggc gctgtcgcgg acggacccgg ccaagcacc gcacgccgcc 350

<210> 23733

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-B8

<400> 23733

ccctggtgtg gagcaagaac cagtgccagc attcttaca ttgcaagatc ctcccgggta 60
gcttggtgct ggatggtgtg acgaacgtcc agatccgcgg catcacgtg ctcaacagca 120

agttcttcca cctcaacatc ttcgagtgcga agaacgtgct gatcgacata gtgacggtca 180
 agggcccccg cgacagcccc aacacggaca gcatccacat cggcgactcc agcaacgtca 240
 ccatcagcag caccaccatc ggcgtcggcg acgactgcat ctacatcggc cccgggagca 300
 agatgatccg catccatggc gtcaagtgcg gcccaggcca cggcatcagc gtcggcagcc 360
 tggggcgcta caaggacgag aaggacgtgg aagacgtgca tgtgacggag tgcacgatcg 420
 gcggcaccac gaacggtctg ggcatcaagt cgtacg 456

<210> 23734
 <211> 451
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-017-Q1-K1-B9
 <400> 23734

cccacgcgtc cgggggagat ctcttcacgc ttgagatgct gctgctgctg ctgctgctgc 60
 tgcggctgcc aatgcagctg ttccggtctc tcaagctaac ctgacgactg cctgtactag 120
 taacacattc ttgagccagc caaagccaag tgatactccg tcaactgcctc cgaagggagg 180
 tcctccatca gaggaggacg gtttggaact gactgttgcc ccaccctccc aacagaacat 240
 gacgaacatg tcttcccaga atgcggtagg cgtgatccaa gtcacctaag ctaatatatt 300
 ttattttatt ttatttctct ctctctctct ctttctctct agaagttact gtggctgttg 360
 acagttattg accgaataaa tattaacatt gtattagcaa tactacatga ataagaagag 420
 catgaggtat aaacccatca tttgccaaaa a 451

<210> 23735
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-A12
 <400> 23735

gcgcagctga gagagagaac agaagggagg agagagggcc tcgccggcga ccttcgctcc 60
 gggcttgatg tgggtgcccc gttcctcgct gggcagtgcc gagcgtacac cgagaaggtc 120

acgtctctgc cggtcaagtc tggaggacga gctgctcaga atgcgtcgtc ggcattgaga 180
gaagtcattg gctcctacac aaatgcaatc cgccgtcgtc tacgtctcga ccaacggtag 240
gaacaatgcc ctgccgtgcg ccgcatctgc cactccgatg tgtgcgaacc cctgtctccg 300
gccggcgtcg cgctgcctag ggcgatgcc cagccattac cacgaagacg cctgcctca 360
cttttgctg catgccgnca tgcattgtact caatgaagaa gaaatatcat gcgtcttctg 420
gggattgga 429

<210> 23736
<211> 308
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G3

<400> 23736

ctcaacacga cgacgattga agagctcgtc ggccgactac gcgttgcgga ggacgccgac 60
gcggacgacg ccaaggcgaa ggaggtctcc acggagggcg tcgggcagct gttgctcact 120
gaggcacagt gggaggcgcg gcgtcgggaa cggaacaagc agcgcaagcc ccgtgacggt 180
gacaagaggc gcggcaatgg cgatcgggc aacaacggag acgatgagca cagcgacggc 240
gacgacgatg cgagcagcat ggctcgggt tcaagccgga gaggtggag ccgcaacagg 300
gccagtgc 308

<210> 23737
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G4

<400> 23737

cgatgcgaaa gccttcgggc ctggtgggtc cttcgacatc accaagttgg gcgcctccg 60
cgatggcaag acagacagca cgaaggctgt gcaggaggca tgggcatcgg cgtgcggcgg 120
cactgggaag cagacaatcc tcatacccaa gggcgacttc cttgtcggac aactcaactt 180
tacaggccct tgcaagggcg acatgacat ccagggtgat ggcaatctgc tggcgaccac 240
ggacctaaag cagtacaagg accatggtaa ttggatcgag attctacgg tggataacct 300

ggtcacccacc ggcaagggaa accttgacgg gcaaggccca gtcgtgtgga acaagaactt 360
ctgcaccaag 370

<210> 23738
<211> 470
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-G5

<400> 23738

ctgatccacg ccagcgggtt ctgcgagagg agcgccttgg tctcagtgat gggttctgac 60
ggaaccgggt gcttttgggt gcgcagtgtt ggaacggagg tggaggggccc ggcggcgaag 120
gggacggcat cgcgacggcc accatcatgg tgcttgggtga cacctgcacg cgcgggtgtc 180
gattctgcgc tgtgaagacc agcaacaaac cgccgccgcc tgatcccctg gagcctctga 240
acacggcctt ggctgttgca agctgggggt atgatctcta gtaatcctgc ctggctgatc 300
atctgctgat tgtgaactgt taggttctca gaactcgtga ttgatcgatg caattgtaaa 360
tntgtaattg gtgttaggcc ctgggtgttt ccatagtgtt aagtttagca caaacctttt 420
ttagtaaaagt tcatatatgg aaccaaacat tcatactaaa agggcagtgc 470

<210> 23739
<211> 272
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G6

<400> 23739

tttatccacg ccagcgggtt ctgctttagg atcgccttgg tctcagtgat ggcttgggac 60
gtaacctttt gcttttgggg gcgcagtgtt agaacggacg tggacgatcc gtcaaccaat 120
gggacggcat cagcactgcc accatcatgg tgcttaatga caccatgacg ctcttgatc 180
gattctgcgc tgtgaagacc agcaacaaac cgctcgtctta ctgattcttt ggaacctatg 240
aacactgctt tggctgttgc aagctttggg ta 272

<210> 23740
<211> 403

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G7

<400> 23740

cgcataggac gaactaccga tgcaagctgc gatcgatcag tcaccgcata tccgggttccg 60
 cgcaggcatg gacgacaagt cctgctacgt ggccaccggc ctctccctgg cggccatcct 120
 cctcgtcctc caccgcctcg tgggtccgtgc tggcggcaag gggaacgccg ccgcgcggcg 180
 gctgcctcct agccctcccg ccgtcccgtt cctcggggcac ctgcacctgc tagcatcgga 240
 gtgccctctc cactcgtcgc tggccccgact cgcggcgcgc cacggccccg tgctctcgct 300
 gcgcctgggc tcccggggccg tcattggtgt gtccgcgtcg gaatgcgccg aggcgtgctt 360
 cacggagcac gacttggcgt tcgccaaccg tcccagactg acc 403

<210> 23741
 <211> 199
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H1

<400> 23741

agaagctgaa gctgccacga gccctttggg gtacttttgg agtggtttgc tagtaacatt 60
 tggatacggg ctaccaagag tacggcgaac tgaacttggg gcacaagtat ctctgtatta 120
 aggggttgagc tgtgcctttt ttttgttttg aaaaagctgc tgtgagttat gtgttataca 180
 atagctgttg tgagttgtg 199

<210> 23742
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H10

<400> 23742

ggacggggcga gacaggctag ccagccagat ggtagctcct gcggacgagg cgatggctgg 60
 cgccgacgtc gacgtcggga cggagctccg gctcggcctg ccgggaggag gcgccgcggc 120
 ggccaataag gacaccatcg acctcaagct gaagctgtcc accggcggca tggatgagggc 180

ggctgccgcc gccaggccgg agccggcagc cgagaatgcc aagaggccag ccgaggcgcc 240
ggccgccgat gccgagaagc cacctgcacg caaggcacag gccgtgggct ggacacgagt 300
tcggtcgtac cgcaggaacg ccatgacgac cgggtccaggc ccggaggagc atgaacgaag 360
aggaacctga tgagcagcaa cagctcgttt gacgcaacgc ctctgtgaag tcagcatgga 420
cg 422

<210> 23743
<211> 291
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H11

<400> 23743

taagcccag aacgtgctga tccgtgccga ctttcacgtc acgctaaccg acttctacct 60
atgcgggctt gctcactcat acctgccttc gctcctctgc ttaacctaaa cggacgaact 120
tctatcaagc tocaacctgt actggtactg ccgctacctc aaccagctac cgtactcgct 180
ctactaccgc atcttctacc ggcagctca tacactttac attatctaga ttgtcttcgc 240
actcacctag cttcacgcca ttgtctcga ttaccgggca cataatgact t 291

<210> 23744
<211> 402
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-H12

<400> 23744

ggcgagggca agggccaggt aaggaagcag tgccgcctgg tgaacgggca ggagaaggag 60
gagaggcatc agcagccgca ggaggagcag gaggagcagc agccaccgga gctggaggag 120
gaggagcagc agcagccgca tcagtcacag cttccatggg tctgcagag gcagcgcccg 180
cccgttcttc ttccatgggt ccggcccat ccacggccgc gtcgaccgtt ccggaaacat 240
ccggtggccg acctgggttaa cggatttttc cgtggttttc actgaaggcg agcactatgc 300
tcgggacgta gacctncaaa atatgcaatg ctactacagt ggtaatggac gtaaaccggg 360

gtatccatga gcttaattaa catgaacaat cctgctttgc tt

402

<210> 23745

<211> 381

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H2

<400> 23745

gtacgcaact cacaacccga gccgagcaaa ctcgattcac catagaccta tatctgaacc 60

ttgctacagg gtacgggtcac tgaaaaggac gatgagctac tacagccagc agccctcagt 120

cggcgtagcg ccgcagcaag gctacccggg gaaggacggc taccgcagc cggggtagcc 180

gccggccggc tccccccgc cgacgcaggc ctaccgcgc cagggctacc cgcagcaggc 240

ttaccacag cagggctacc cgccgcagta cgcgcagccg cttcacagc agcagcagag 300

cagcgggcct tacttcatgg aaggatgctt ggctgccctc tgctgctgct tgctactgga 360

ccctgcttc tgactgaacc a 381

<210> 23746

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H4

<400> 23746

cccacgcgtc cgccgggtgcc aggcctcgcc ttctcgggc ggtgctccct cctctctcgt 60

gccccagcga cgcaggcagg cgcgcgcgcg gccatgaagg ggggcgggtgc catgaggccg 120

tcgcctatgt tctacgtcca cgaggcggac gtcgtccaga tccaccactt cctcgaggag 180

tgctccctct gcgccaaatc gctctccggc gacatcttca tgtacagggg tgacacgccg 240

ttctgcagcg aggagtgcag ggagcagcag atcgaggtgg acagggcgaa gcaccggcgg 300

aagaagcgcg cggcgggcga cgcgctgtcc gcacgcagca gggagcaccg gcaccagcag 360

cagctgcagc agcaccacca ccagcagcag caa 393

<210> 23747

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H5

<400> 23747

cgccgaaatc cacaaaaggg acttccgttc cgtgctagcg cgcgatcgcg tcggcctgca 60

cgccaccttc ccgaaaaagc ttaccctttg tgtttgtgtg tctgtctggc aatcgatcga 120

tctccatgac gacgtccccg ccgcgcgcac gcctgctcgc catggcgctg gcgctggcat 180

tcgcctgcgt gctgctcgtc aggtccgcgg acgccgccac gcccgggggc tccgcgtacg 240

ggtgcaacct ggccacggac aggacgtgca ggcccgatgg cgtcgggtgtg gtgctgcccg 300

a 301

<210> 23748

<211> 89

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H7

<400> 23748

cccacgcgtc cgcccacgcg tccgagatgt cgtggcaggc gtacgtggac tagcacctga 60

tgtgcgagat cgagggccac cacctctcg 89

<210> 23749

<211> 101

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H8

<400> 23749

cccacgcgtc cggacacgca tctgtgtgtg cctgtgtcct gcaggcagcg cggcgaccga 60

gcgtagctta gctagctgcc cctgctccag accaggtgcg g 101

<210> 23750

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-A1

<400> 23750

attccccgttc gacggacgcg tgacgctctc accgacgctt cccggcctac gaccctgcac 60

gtcatacag cccgccttca ttcacgggga tggctgatga ggtgaggcct gctaccgatc 120

tcttttcgcg cactaatccc atctatctac cctccaatgg ccctctactt ctatagcgac 180

gaaatcccat gctcgagcct ttcacgcgtg gtatccatga gcctcaaata gaatgccgac 240

cagcctttgt actggcttgc gacctccatt actgcggctc ctggacctga ctatagctag 300

cgttcatatc cgtacgctag gctagagaac atcagatctg aagattctgg gagtgaacga 360

ttgtg 365

<210> 23751

<211> 354

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-A10

<400> 23751

acgcccacgc gtccgcccac gcgtccgccc aggcgtccgg agggatcgga ttggaactcg 60

atcgggggga aggtcctgca ggccggctgg ccggtcgctg atcgaggaac caagctgctg 120

ctgctgctac cggacgacac caaccatgat acggaggacg acggtgtgcc taggcctgct 180

gcttctacta ctggggggtg cgactgcgac ggcacatttc tcgatcggcg acgtggacga 240

gtacttgaac aggcgcacgc aggagtcccg ccacaagaac cacggcggcg cgcagatcaa 300

tgacctcatc tccagtgtg cgcgcttnca cgccaacgtg gatgcacgcg cgta 354

<210> 23752

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-A11

<400> 23752

atcaccgccg agttccgcac cttcatcgag atcgtcttcg agaaccccgga gaagagcata 60

ggctccctcc acgtcgatgg ctacgccttc ttcggcgctg ggatgggccc cgggaagtgg 120

tcgccggagg tgaggaagac gtacaacctg ctggacacgg tgagccggca cacgatccag 180

gtgtaccgcg gggttatggac ggcaatcatg ctgacgttcg acaacgcggg catgtggagc 240
 gtgcattcca acatctggga gcggtactac ctcggggagc agttctacat cagcgtcgtc 300
 tcgccggcgc gatcactgcg cgacgagtac aacatgcccc acaacgccct ccgctgcggc 360
 aaggtcgtgg ggc 373

<210> 23753
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G2

<400> 23753

ggaagaagag gccaacccgat ccagcagcga tggcaggcgg tggcatgctg gggggcgctt 60
 tctgggagac gcggtcgtg gaggtggtca agcgggaacga ttccccgggc ctattgtgga 120
 agcgcacaa gctcaccacc acccgcaaga acaacgccaa gaagcgcctc aagcggctct 180
 ggcagaatga ggcggttata agagcttgtg gtgcacgagc gtctaacgcg gcttccacag 240
 ctgagaaaca acagtagctt ggagcacaac tggagcagag ttggtcctgt gacctaccta 300
 tgcttgctt gactttgctg tccacccccca gtgttttgat tttgctgtcc tcggattgaa 360
 tactttctcc atccagagga caacatcatt 390

<210> 23754
 <211> 450
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-E8

<400> 23754

cggactcgtg ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 agggaaaaaa aaaaaaaaaa ataaaaaaaa aaaaaaaaaa aggatgaaca tttttaaaagt 120
 ttcctttttt acttactctt atttactaac atattaattt ttttttaatg tcccttaatt 180
 taaattcctt gcccttattt ttataacttt ttttctggaa aatccttggt tttccccttt 240
 ttattttcct tgaaacattt tcacttttcg ccttttggat tatttgctaa gagtttttga 300
 ccattggctt ttgccatcat ttgccattt ttattgggta tttgtacgcg ctatttatag 360

tttttttaat ccctttgggtt ttgcttttta cccctatattt taccttttct tttgttagtt 420
ccttatctcc ttctcttttt attttcttcc 450

<210> 23755
<211> 136
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-E9

<400> 23755

ccattatata ctacatcact ctcaaacctt ttacacatat accataacct atactctttc 60
caaccctcaa ctcttctcta caacatacat ctacacacta actttttcca aatacatccc 120
ttcattctta ctacat 136

<210> 23756
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F1

<400> 23756

ggcatcggcg tgcggcgga ctggaagca gacaatctc ataccaagg gtgacttcct 60
tgtcggacaa ctcaacttca caggcccttg caagggcgac gtgaccatcc aggtggatgg 120
caatctgctg gcgaccacgg acctaagcca gtacaaggac catggtaatt ggatcgagat 180
tctacgtgtg gataacctgg tcatcaccgg caagggaaac cttgacgggc agggcccagc 240
cgtgtggagc aagaactcct gcaccaagaa gtacgactgc aagatccttc ccaactcgct 300
ggtgatggac ttcgtgaaca acggggaggt gtccggggtc acccctgtta acttcaaagt 360
ctttcacatt aacctgtacc ggtgccagga catgcttatt a 401

<210> 23757
<211> 418
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-F10

<400> 23757

cacgtacgtt gaacaaacac ccaaggcctg acgagacgag atccggacct cegtccctcca 60
agtagggcgc gcgcgcgacc tcggcaccgg cggcctcgat ccacgtttct ctccgatccc 120
cgccagtgea tgccctggaa cggacggacg gaatggcagc gtcgccggac cacctcttcg 180
gcctgcgcaa cagctttctac gtcggcgcat accacgccgt catcaccagc agccagtccc 240
tccccgcgca cgcgctctcc cccgacgacc tcgtcgagcg cgacgccctc atgtaccgct 300
cctacatcgc catcgggtcc taccagctgc atcggcgaga tcggggccag cgcggccacg 360
ccgctccagg ccgtcaagct gtcgccgtg tacctctnec gcgacggcgg gaacaggg 418

<210> 23758

<211> 68

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F11

<400> 23758

cccacgcgtc cgcaagccga aggtacaaat gtaatttaaa tatcattgat atttactcat 60
gattagat 68

<210> 23759

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F12

<400> 23759

gaggatcatg gagctcatcg tatgcaaact aatcaagggc gacatcaggg ccttggagga 60
cctcgcgtat gccaaagagaa aggacttcat ctcccagcac aaactcccca tcgatgagct 120
gccgatcatc tccttccaca ccgaagccag caccgcgccc acagcgctcg cgtcgttgac 180
ccgtgtcgcc caagccgagc tcctcccatg gctaccctcg ccacggttct tcctgtctgc 240
atccgagttt gtcgagtcaa tgctcgctc tctgaaggtc cccgtggttg cgctgtgtc 300
tgcagccatg gcggtgacag ccctccacct gcctgcgcta tggggagagg agcgacgggc 360
tggtgacacg gcgcgacgcc gaggtgcctg ggtcagtggg agttagaccc g 411

<210> 23760
<211> 468
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F2

<400> 23760

gccgtgcgcg ctgcagcgct gcggctacgc gttgctgccg gaggcggcga ggagggacgg 60
ggaggaggag gtgacggcgg cagaggcgag gcgcctgatg cggctcgcca acgtagaggc 120
gctcaagcga cgcctcggga acggggaggt gatcccttac gcagacctgc tgcgcgcgtg 180
ccaggactcc ggcgcgggccc ggacgcgcgc cgaggccgcg gcgctcgccg ccgcgcctcga 240
cgaggccggc gtcgtcctgc tcttcgcgca caggggtctac ctccaccccg acaagattgt 300
ggatcttgta aggaaagcta tgccccttgc actgacacct gagaatgata cggggaagga 360
agagctcaag cagctccaag tgcagttgga agacatcaac cagcttgac acaagcaagt 420
ccggcgcata ctctgggtctg gtctgggttt cttgatcacc caagtggg 468

<210> 23761
<211> 470
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F3

<400> 23761

gacttcctcg cctccatccc atcccgcgc gcgcgtctct acggtcgcta ataagcagcc 60
ggatccaggg atggagatga agaagatcgc ctgcgcgcgc ctcatcgccg cctcggccac 120
cgtggcgcgtg gccgcggagg cgcgggtctc gtctcccacc agcgggtcct ccgcggtcgc 180
acccgccatc gtccggggccg ccgtggcctc cttcttcgcg tactacattc actgagccgc 240
cggacgagga gccggagccg gaggggaagag accaaagggtg ggggagagac ttggctgcgc 300
tgcgctgctc tgctgctccc gcgcattccc gatgcgtggg cgtgctctga ttgggcacgg 360
cgggtggcagt ggcacacctt tgtcttcctt ttggttggtt ttttttcctt cctctttcta 420
cctggatttc atttaacgaa atggtatcgc tgatgcacca ggttaatttg 470

<210> 23762

<211> 432
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-F4

 <400> 23762

 cccacgcgtg cgccacgcg tccgccacg cgtccgccca cgcgtccgcc cacgcgtccg 60
 cgcacgcgnt ccgcgaccgc gtggggggct aaccgaggaa ggatttcgc cttctgctcg 120
 ggaagatccg gtcggtgcac gcggcggtcg cagcgccgat acgggagtcc aacctgatca 180
 ccgctgcttg cgacaagtgg atgagcggcc aggttgatag gaagatgccg taccaagaga 240
 ggcatgtcgc gcagcaggcg tccattgttg gaaacatgga ggcatttggc ttgctgcaaa 300
 aaggctagcc atgaggtggt tgatgngag aatgcngcgg tgagtgtca ggcagttgtg 360
 gagtttgag ctggaagagg gtacttgact cangttgctg tggactgtta tggggataga 420
 aatgtcttct tg 432

<210> 23763
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-F5

 <400> 23763

 agaacaagaa gacacaacct gtatctctca ggaatacggg ggtgggggac atcggaatgc 60
 aagctcgttt attttgagtg tgactgagtt tgacagggtg aaagtcggat cttctcgacc 120
 aaaagggtgca taaccatctg gctttcttca ttgctctaca agattaatga agaaacacat 180
 gcagagggaa caaaacccca aacttggggg tgtgggacat gagaaacatc atagctgcat 240
 atcagacaat tctcgacact tacgcaacat tctgctatca tgccatatct taccctatgg 300
 cacttattca taggctgctg tgtgggcact tagttttaca aaatctgctg aaatctaatt 360
 ggagaactct acatgtctca cgtactagct tagacactga atatattagt ccttaaattgc 420
 gtctttttac attttattta tgc 443

<210> 23764
 <211> 440

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-F6

 <400> 23764

 ctgccccaaag tacacgcatg ttatatgtca tgaataccgt gatcacctac atctggggggc 60
 gagctcgttt attttgagtg tgactgagtt tgacaggtgg aaagtcggat cttctcgacc 120
 aaaaggtgca taaccatctg gctttcttca ttgctctaca agattaatga acaaacacat 180
 gcatatggaa caaaacccca aacttggagg tgtgggacat gataaacatc atagctgcat 240
 atcagacaat tctcgacact tacgcatcat tctgctatca tgccatatct taccctatgg 300
 cacttattca taggctgctg tgtgggcact taattttaca aaatcttctg aaatctaatt 360
 ggagaactct acatgtctca cgtactatct tataactga atatattaat ccttaaatgc 420
 gtcttttttac attttattta 440

<210> 23765
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-F7

 <400> 23765

 cccacgcgtc cggttacagc aataaggaat ttgtctcttc ttccacctcc agcctcataa 60
 gcctgcggtt agggggggcat aacccaacc ggagaggacg gccgacggct acgagctacg 120
 tagccgtggt ccggcgagtc ggggattcca ggtccttgac aatgaccac tggaaaaggc 180
 aaatgcatcc attaggagca gaactctcat gaacaagctt gttctgcctt tacttttgg 240
 tgaacttggt ataaccaacc caaactgcc aaaaatctgg tgttgctaca tttgtatcaa 300
 tctttacctg agcttgtggt tttgtaagct tatgcatgta cctncacatg tatagatatg 360
 ctacctacat tttctttctg tggatcatatg atatgttgac aaggtcacag atatactctc 420
 agtatatgat gacgcttcta tgaaaaaaaa aaaaaanaaa a 461

<210> 23766
 <211> 436
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F8

<400> 23766

cccacgcgtc cgcgcccggg gagaaggagg gtcccgcgcg tcccggggaa gagcgcgcca 60
ttgccgcgcg cgcgctgact ggggaagatg gttgtccagg agttcacagt tgatctcaac 120
aagcccccttg ttttccaggt tggccatctt gaggaacggg accaggaatg gggtcaccaa 180
ccgatcgctc gcaaggaggg tccacgcttt ttccgaaatg atgtcctgga gttcttgact 240
cgcacgaagt ggtgggctgt gccaaactata tggtgcctg ttgtctgctg cctgctcgtg 300
aaatctattc tgatgggtca tactgttcag gacgtagcta tgatggctct gtttgggata 360
tttatttgga cgctgatcga atacactttg caccgcttcc tgttccacat cgagaccaag 420
acctactggt ggaaca 436

<210> 23767

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F9

<400> 23767

gccacgcgtc cggccacgcg tccgctcgta ttctagcacc acagcaaaca ggatcgaagg 60
agaagaaact aatagttacc gtccagggtg tcgatcgaac gaagctcctg ctgcataccg 120
gccgtgcgca catgaccatg acacggacga tgtgcctaga cctgctcctt ctactactgg 180
cggacgcgtc tacagccacg gtgcatttga ctattcaccg atgtggatga ctacctctcc 240
aagcgcacgc agtactaccg ccacaagaac aacgatctcg cggccatata tgaccttaac 300
tccaaagcgc aacgcttcca catccactga catgcacgct cctatggccc tatatacgac 360
ctgcatgacg aggcaa 376

<210> 23768

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G1

<400> 23768

gcaaaaccgag aggtgaacca gcagcctcca ataaaagcca gcacatccaa ataaaaccga 60

gagaccggag ccctcaggca agccgaccgc cgacgtacca ccgcgccaac ccgagagaaa 120

gatggagatg atcaagagga tcctcatcga cgcgctcctc gtagtcgacg tgtcggccac 180

cgcagtgttt gcctgcaccg aggacgacgt cgacagcgcc gcagccggat ccgagtaatc 240

ctcgtacaac agatttagcc gttg 264

<210> 23769

<211> 52

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G12

<400> 23769

aaaaaaggaa aaaaaaaaaa aaaaaaaaaa tattaataaaa aaagaaaaaa aa 52

<210> 23770

<211> 448

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-E6

<400> 23770

cccacgcgtc cgcccacgcg tccgatcgat cagcacaaga tggcgtgcac aaacaatgcg 60

gggagagcct tgttctctct ggtcctcttc tgcacgtgc atggtgagaa ggaagagtca 120

aagggcatcg atgcgaaagc gtccaggcct ggtgggtcct tcgacatcac caagttgggc 180

gcctccggca atggcaagac agacagcacg aaggctgtgc aggaggcatg ggcacgggcg 240

tgcggcggca ctgggaagca gacaatcctc ataccgaagg gtgacttcct tgtcggacaa 300

ctcaacttca caggcccttg caagggcgac gtgaccatcc aggtggatgg caatctgctg 360

gcgaccacgg acctaagcca gtacaaggac catggntaat ggatcgagat tctacgtgtg 420

gataacctgg tcatcaccgg caagggaa 448

<210> 23771

<211> 253

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-D11

 <400> 23771

 gcgtctcgcct catctgcatt cccatagcca tgaagtccgc cgagctcgag caacgcccgc 60
 atcaggcagt ccggccaatc ccatctcaac tgtggtgcaa aaactttggc aaggaataact 120
 gaaggacctt ccaagtagca tgaagcgcgg acaccttgct tttgccttct tttgattctc 180
 tttctctttt ggctcaatca tggtatatga gaaataaaat aaatattgga ctcaaataag 240
 aaaccggtga ttc 253

<210> 23772
 <211> 340
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-D12

 <400> 23772

 atcccatctc ccttccccct cctcgactac ctctgtggcg tcggaccgaa cccgaaccag 60
 gaagcctata ctaaccctag gaggacagca gcctccgcca agctctacta cacgctgtag 120
 gaagccgcgg agctgaatgg cctcaccaac ctgcagccac cccacggatg ccacgaccac 180
 aacttcctct actacctcaa gctcaccacc aagaccttcg aggagatcac caaccactac 240
 aactacgtca ccacaaacct gcaacatcta cacttcaaaa ctacaccgtc cctgcttacc 300
 taatacaaaa atgcactcat tatgccagat attcatattt 340

<210> 23773
 <211> 382
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-D2

 <400> 23773

 cgcggttcct aaactcggat cctgcatttt gtttcggcga tatgtgttgg tgttaccagt 60
 tgctgcggcg atacttccaa tttctgtgcc gatgggtttc ctcgttttct tcttattttg 120
 tttcctcgtc gtcgcagcct gcaaattggg agtttcttgg ttcttatcag tggagctggc 180

tttgggaattt gcaggcaccg ttctgagctg cgctgggtgct cctggaaagg tgttggtgcc 240
 tggagggtggc agtgatgact tgctttcctc cgtagagcct gtcggagaca ctcaacctga 300
 agaactacag gttcgattgt ccccttctgt gccttcattg tacaaatggt ccaaattgtct 360
 gatgaaatta aattgggttt ca 382

<210> 23774

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-D3

<400> 23774

gagcgctctt ctgggcgcat aggcattgaaa agattcgagg agatggactg ggacaagaat 60
 ggaacgggtga ccttcaagga attccttttc gctttcactc actgggtggg gatcaataat 120
 gaagaagacg aggacgaaga agaattgagcg tgctggctga aggagattag gcgttccgaa 180
 tcgaccgagc cagccagcca gccagccagc cccctcagg ggaggcctcc agcagctccc 240
 tcttgccgtg gatcagaagc ggtagagctc atgtgttctc tgtgtgtgcc gagctgatgg 300
 gtagatgtca tgttcgtata aatagaatga aactagacc gtgtcaaggg atttgcttga 360
 taaaaaaaaag gttacgctgg tcaaacgctt ctcaattaat taggttacct tggcattaat 420
 aaagtatttg cagtgtgttt gg 442

<210> 23775

<211> 371

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-D4

<400> 23775

gcacgcctgg cctgggctgg ccgcctccga ccaccgtacg tctccaccg cgctgcgcgc 60
 ggccgggctc tgcccagccc gggctgcctg cgagggtctc tgatggccct cgacgcgcgc 120
 ctttctctct agtgcccagc ttatttgcag atccagccct ctgatcctcg tcttctttca 180
 cctctccaac atgaaggtca acaccaagat caagctggag ccggtcatgg cgccgtcgtc 240

gtccctgccg cggagcgcca gcgagctacc cgaccgctcg tcaccgttca gtcceaacac 300
 ggcgcaccac cccgtcttcg tgcccaacaa cacctagggtg gtccttatcg tgctcgtcnn 360
 gtcggcacat g 371

<210> 23776
 <211> 490
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-D5
 <400> 23776

tcgctctcgtc ttctgtacttg agccggcaag ggccttcggc tttccctggc aaagccccggg 60
 cttcaacgac aaggctgtcg ccaactgcggc atcatgganc gtcgagttca gaagggtgcg 120
 gtgcaagtac cccgccgggc agaagattgt gttccacatc gagaagggtc gcaacccccaa 180
 ctacctggcc gtgcttgtga agtttgtggc ggacgacggg gacatcgtgc tgatggaaat 240
 ccaggacaag ttgtcggctg agtggaagcc catgaagctc tcttggggcg ccatctggag 300
 gatggacact gccaaaggcg tcaagggtccc cttctccatc cgctcacca gcgagtccgg 360
 caagaaggtc atcgccaaag acgtcatccc gccgaactgg agacccgatg ccgtctacac 420
 ttccaacgtc caattctact agactttgaa ttcccttcga ttcattccggc gcggtggggt 480
 atggacctgc 490

<210> 23777
 <211> 471
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-D7
 <400> 23777

aaagaactcg ctccattcag agattcagag aagacccgcc tctcccgatga ggccgtgacg 60
 cgacgccgga tcgtcctcgt ctcttagctc gtggaatgaa gggagggtggc gtcattcaggg 120
 ccgccggcgg aggtgccggc ggtgcgggtc tggtgcgaac gcgactgcgg cttcccgatgg 180
 tgctcctctc ctgtccctc ttcttctcgt ccggttctt cggtctcgtc ctcttcaccc 240
 aggatccgga ggaggcggat atgccggtgc cgagagagcg gctgttggag gcggcgtggc 300

cggagatgcc ttacggcgag tccggcgagg ctgcgcgctc cttgatccca taccagattt 360
 tgagctggca gcctcgtgct ttgtactttc cacaatttgc gacatcagaa cagtgtgaaa 420
 atatagtaaa aacggcaaag gagagactta agccatcaac attagccctg a 471

<210> 23778
 <211> 54
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-D9
 <400> 23778

cgacgagctg ccgatgctga ctgtgcacca cggtcacctc aagtcacga acgt 54

<210> 23779
 <211> 367
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-E1
 <400> 23779

cgtctcgaga naaggcaagg ggcgccttcg ctcgccgtn gcttcagtag ggtggaccgt 60
 cctnncagcg actctcccg agcgatatgc ctccactcgt nnattctgtc gtgccggacc 120
 cgtgcgttng ctgcgccggc gcctttggcg tcattctcnnt ggaagnnntc gccacgagcc 180
 cttgcatatc gagcccgatga attggaggga tgatcccann gaggccctga aggggcggct 240
 cgggaggggtt cgtggactca tctgcnntgc tgctccgcga atgccacacc acattcgaca 300
 cccatgagac nncctcttttt taaattcctt aatgtggcga cgaattggca gaatggaaat 360
 gatgccg 367

<210> 23780
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-E10
 <400> 23780

ctcacccctg aggccgcgca gagccactgc ttgcgtctct gtctctctgt ctgctcgttt 60
 tgctgcttct gcgactcgta ggagggtgag gtcttgcttg cctcgcgga tggcggcggc 120
 cggggcatgg ctggcccgtg cgacggcgac ggcggtgctg ggtttcgtec tggcgggtggc 180
 gtcagctgag gcggcatcgg gggacgtgga gatggttttc ctcaaggccg cggtgggccaa 240
 aggcgcagtg tgcttgagac gcagcccacc ggtgtaccat ttctctccc gctccggttc 300
 tggcgccaat aactgggtcg tccacatgga gaggagggtg gtgcaggaat cctgatgagt 360
 gtgcgggtccg caagggaac ttcaggggtc cctccaaatt catgaagcca ctctcgtttt 420
 cagggatatt aggcggcaac caaaaatcca atcctga 457

<210> 23781
 <211> 331
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-E11
 <400> 23781

cggacgcgtg cggctcgaat tccgtctctt gtcctgtctg tccttgccc gattccccgg 60
 ttggtgagac gttaaagagg aggcggagga aatggatggt gagtgcgag aggttccccg 120
 tgtgtgaggc cgcgctcggc gctcgagtcg ctcgacgact tcgcccgtgg actcgctctgt 180
 gtctaccttt ccatgccgga ctccgactac tacttctca agttgccacg taatctctat 240
 gaactccaaa tcctcactgg ccatcttgag aactatacta gtgactacac cctacagggtg 300
 ttctagctc attgagctgt gtacatcttt a 331

<210> 23782
 <211> 394
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-E12
 <400> 23782

gcggttcata acaataaaac gcttcaagtt tatgcggtcg caacatcctt gaggttccaca 60
 ggtgaatttg ttttgcaagc taaaaactcg atgtttatat ggaatgggaa tgcaagttct 120
 tttgaacaac ttttggtggc tgctaaagtt gctgaatttc tgaagaccgg tggtgctgtc 180

aagcattgca aggagggcac tgagagctct attttctggg cttctattgg tggaaagcac 240
 agttatacaa atagaaatgc tgcacctgat gttgttatta gagagcctca tttgtatacc 300
 ttctctctga agaatgggaa gctggaagta tgaaattttc aatctttcac aagatgatct 360
 tgtgaccgaa tacatgatga tacttgatac acac 394

<210> 23783
 <211> 350
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-E2
 <400> 23783

gtcaagcaac atactgctct ttgaccatga tgttgccaag atcggggact tcgacatctc 60
 aaaccaggcc cctgacatgg ctgcgcgcct ccactctact cgcgttcttg gcacctttgg 120
 ctaccatgca ccagaatatg ccatgactgg acagcttagc acgaagagtg atgtctacag 180
 ctttgaggatt gtgctgctgg agcttttaac cggtcgcaag ccagttgacc acacactgcc 240
 ccgtggccag cagagccttg tgacatgggc tacaccgagg cttagtgaag acaagggtgag 300
 gcaatgcgtc gatccaagac tcggagatga ataccctnca aaggctgtag 350

<210> 23784
 <211> 357
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-E3
 <400> 23784

ctgggcagaa ggacgacgcc atggcagcag agagcgggtg cgggtgcggg tgcggccgtg 60
 cgtggtggag ttcttgttg gccttgcgaa gcaatagagg aagatgatga ggaagacgac 120
 gatttcgatg atgatgaagc agtcaaggtc ttccgtcggc agaaggtcga tcaagctgta 180
 aaagaggctg tgtcaagggt gctgtccatg gtagactcta ccgaagcgag gatgcaatat 240
 cgacgaatgc ttgaggagtt tcgccaggca actgcagaat tggaaggatc aaatgaagtg 300
 acatcaatat ttgacagtga cttagagtta ttagggatca acaatttcat gtaaaga 357

<210> 23785
 <211> 365
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-E4

 <400> 23785

 tgaggcgtga gtccgtgacc attcccgtcg gccgtcccaa aagaagcgca aatttacaac 60
 ggagtggacc acggggccaca caatcccaaa tctaaccctc cgacggcgat ggggatctcg 120
 agcatgccgg agccgcggga cagcctgctg ggggtacctg tgtacaacac ggtgatctcg 180
 atcgcgggcg tggcggggct ggtgcggggc gcgctgggtg tcctggacct gcaggcccg 240
 ctgccgcccc gggacgacgg cggggaccga ctggcgggct cgggccccgg actggcgagg 300
 cggttcctca gggccttccg gccggcgctg tacgaggtgc tggccgtcga cggcgacgac 360
 gtgcg 365

<210> 23786
 <211> 471
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-E5

 <400> 23786

 cccacgcgtc cgcccacgcg tccgcccacg cgtccgggag cacagagcta gctagccagc 60
 cagccagcag ccagcttget cgccgcgcgc gtccttcttc ctgcctccg ttccgttccg 120
 ttccgtcccc cccgccgccc ccgcgcgatt cagggatgga gatgaagaag atcgccctgcg 180
 ccgtcctcgt cgccgcctcg gcggccaccg tggcgctcgc cgcgagggt ccggctccgg 240
 gccccaccag cggctcctcc gccgtcgcgc ccgccgtcgg cgccgccctc ggtgcgcgcc 300
 tcgccttctt ctgcgcctac tacatttaat gaagccggcc gcggccgtcc gccgaaggc 360
 cgagaaaaaa cgaaacggga gaaaaaatga catggcttcg cgcattccga tgcgtgggca 420
 tgtttttgat tcgacacacc ttttgcctc tttttctttg gtccctcttt c 471

<210> 23787
 <211> 437
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-D10

<400> 23787

gtcgtcgtct cactcacccc gccttcacgc ctccctcacc aaataaggtc ccgccctttt 60
ccgacattca cagggggggac aggaaatcag cggccatggc ctcgattccg gcgacgacct 120
tcgccgtcat cttatccgtc ctcttctgtg ccgcggtctg caccgccgtc gacaacgacc 180
tccccgacta cgtcatccag ggccgcgtct actgcgacac ctgccgcgcc gggttcgtga 240
ccaatgtcac cgagtacatc gcgggcgcca aggtgaggct ggagtgcagg cacttcggca 300
ccggcaagct cgagcgctcc atcgacgggg ttgtgtgata ctgtgatcaa gcaaggagac 360
gacacttgaa ttctctacag tttggcatan gtcgggagag acactctcga ccggccacac 420
catgtaacaa actaacc 437

<210> 23788
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B2

<400> 23788

acgacctacg cttacgttca gttggcgcac gaggatgcta gtcattattag actggggggag 60
gcggttcatc tggggggagg gactccagta gcatataaat tcaaattctc cgatttttga 120
gttcacctgc gttctagatg ctactagtag tactttgcac agtttttgetg tccactatt 180
tccgaagctt agcctcgcaa ggtttctgat accaaatatt gaccttgcca aatgttttgt 240
tacctcgtca tgcacactga gtgattcaga tggttatata gtcttatcgg atatttgctt 300
ttttatgtat ggcactatga tttctagcta taccgattct aattgtaagt ttgagttatt 360
ctggtcaaaa a 371

<210> 23789
<211> 403
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B3

<400> 23789

cgcttccatg tcttgatttg cgccgtaagc gcccgaatct agccgcaagg ttgagatccg 60

cgtccatttc tggcttccga gcgtccgctg cttgtcggta gacgcggatc tgttgaattt 120

tgtgactcac cgtcgtcgat ccgcaggatc tttgtacagt ttctcttttc aataatcaag 180

atgagccgtg gtggtagtgc cggtaggtgg caaagtcttc tgggttatct ctttggaagc 240

ggtgagcccc ccaaaccagc agtggcacca gctgcaagtg ctccacctgt tgagaaacca 300

tctgctgcaa agactgatgc ggccaaacag gttgcttgct gggttaccag gccaaaccaat 360

aactaccaca aggctgatgg tcagaacact ggcaacttcc tta 403

<210> 23790

<211> 186

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B4

<400> 23790

acgctcatcc atatcccat cctcacctta agctttcgaa tctaacctca aggttgaaat 60

ccacgtccag ttctaactta tgagcgtgca cttcatttcc atagactcat atcagtttaa 120

atttattact cactatattc tatccgtata aactttatac agtttctctt ttcaataatc 180

aatatt 186

<210> 23791

<211> 372

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-B5

<400> 23791

cccacgcgtc cgcacagggtg tttgaatgcc aaaggggatg atgctggtgt ttgcgaaaaa 60

tttgccaagt actacaggtc cctttgcctt ggagaatggg ttgagaaatg gaacgagcag 120

agggagaacg ggacgtttcc aggacctgtc tgaatgtacc gcccgagacc tccagttgga 180

ccagtcaaca agttggccag gcagtcctac tgttccattc tgcattccta ctccccgaat 240

cgtaaatgcc ttttgtccct agctcttcaa ccaggcacca caaaactggt agtgcgcct 300

ctcgtagcga gctctaataa tttggctaca gttgccccac atgcangcct ngtttgtgtg 360
 tggactgtgg ac 372

<210> 23792
 <211> 430
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-B6
 <400> 23792

cggacgcgtg ggcggacgcg tgggcgtgcc gtcgagcgag cagtctccca attccacgca 60
 aggactaata acatctcctc gaacgccagg ttccttgga cactatatcc aggagcgaca 120
 aagtgatcca cccgccagcc atggagatga agaaggtcct ctgcgccgac ctcgtcgccg 180
 acgactcggc caccgccgtg ctggcctcgg tcgcctccta ggcgctctct aatgctccag 240
 tcgtcactgc ctgttgttcc ttgctcttca accattcacc acaaaaactgt tagtgatacc 300
 tatcgtactc agctctaata atttggctac agttgcccc catgtagtct tgttttgtgt 360
 atttgacttg tggaccttat tcttgatcac tttttgtata cgttcttaat ttactttggt 420
 tatttttttt 430

<210> 23793
 <211> 226
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-B7
 <400> 23793

cccacgcgtc cggctctcgt ctagaatcca tgcacgtttc aagcggcaaa attccgatta 60
 tgtccctccc gaagccagac tatagctgga ttcttatcaa ggttccacat gatcaggcgc 120
 ctttcttctt caagagttag agccacatat atgctggaca gaatgagtgg tcggaattgg 180
 cctggggaca gatactcatc atatggataa gtgtctctca tatata 226

<210> 23794
 <211> 443
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-B9

<400> 23794

cggacgcgtg ggctcgtctc ctccactcca agagaacagg cgccggcgaa aggcgggagc 60
agcgcgctgc ccattcaccg cccctgatt tcttgggagt tgcggatcgg tctccggggc 120
agcgtggaac ggctgggccc ctccgatcgc cggagatgct gccctacgcg acggcggcgg 180
aggcggagggc ggcgcttggc cggcccatga cgcccgccga ggcgctgtgg ttccggtaca 240
ccgcgggggt gtccgactac cacctctact gctgcaacat cctcttctc ttcgtcgtct 300
tcacggtggc cccgcttccc atcgcgctcc tcgagtcggg ccccgccgc ggtctcgccg 360
tacanaactgc agccgcgggt gcggctctcc agggccgagt tcgtccggtg ctacaaggac 420
gtnctnecga tcttcttct cgt 443

<210> 23795
<211> 179
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C1

<400> 23795

acgcgcttct atgataactga tttgctccgt aagctcccgt ttctagccgc aggggttaga 60
tcttgattcg gtgtctaaact ttccgagcgtg cgctgttttt ctgtagacac tgatctagt 120
aatattgtga ctaccgcct tctatccaca ggatcttttt acaaattctc ttttcaata 179

<210> 23796
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C11

<400> 23796

atctcggaca cggcaaattt accggcaacg tacagcgaac gccagaggtc cgcagccgtt 60
gagccgcaa gggagaggac gaaatggcac tgtccacgac gaacacgaac gcctccgagt 120
cgcagctgca ctgctccacc tttgcgtcgc gctacgtgcg caccgcgctg ccgaggttca 180

agatcccgga gcagtcgata cccaaggagg cggcgtacca gatcatcaac gacgagctga 240
 tgctggacgg caaccgcgg ctgaacctgg cgtcgttcgt gaccacttgg atggagcccc 300
 agtgcgacaa gtcctccag tctccatca acatgaatac gtctacatgg atgagtaccc 360
 cgtcactacc gagctccaga accgggtgct gaacatgata gcgcacctgt tcaacgcccc 420
 gatcg 425

<210> 23797
 <211> 428
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-C12
 <400> 23797

gcgcgtctca cctcacacat gacacatgta attgcttgaa aatctatggt ttagaaagag 60
 ggaatgaggg aagtgaacta gcggtccacg atactccgac gccactttg ctacctcgga 120
 accctagccg ccgcccattg atatcgccgg agaccggcgc cggtagcgat acgcaaaagg 180
 agtggtacgt tctttgacct tgtttattgc tgcgcccag gcgtgtggcg cggggggagc 240
 aggaaggaga ggggaagaac agaaggggaa ggcgggcgga gccgcgatgt cgggtgcggat 300
 caaggcgggt gtagaccggt tcgtgaagga gtcattgagg gctggacgcg gacatccaag 360
 accgtgtcat gaaggagcgc gagatgcaga gctacatcga ggagcgcgag cgcgaggtcg 420
 ccgagcgg 428

<210> 23798
 <211> 342
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-C3
 <400> 23798

atagaacgag cgcgtagcga tggctggagc ccgggcactg ctcactgtcc tcgcggtgc 60
 cgtcggggtc ctggccgcgc ggccggcgtc tgcaggcggg ggagccgcgg cgggtggcgga 120
 gatctgcatg aagactccgt cccccacct gtgcaccagg acggcggcga agcacgccaa 180
 caagtacaag gtggtggacg cggtgacggt gctagagatg catgtggacg cgttcaagaa 240

gcgcgtgaag gcggcgcgga ggctcgccaa ggaggaggtc aagacggccg cgacgcccga 300
 ggcgcgagg gcgctgaacc tctgcaagac ctactacctg ga 342

<210> 23799
 <211> 462
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-C4

<400> 23799

cccacgcgtc cggcaagttc ctgtacgagg gcatcaccat ggacaatgtc tntacccca 60
 tgatcagcga ccagaaatac tgccccaaca acatctgcgt caagtccggc gcctncaang 120
 tggccgtcaa cgacgtcgtc ttcaagaaca tccacggcac cttcaacacg ccggaggcca 180
 tcacgtcaa ctgcgccaac aacctgccat gccagggcgt gcagctcgtc aacgtcgaca 240
 tcaagtacaa tggatccggc aacaagacca tggccgtctg caagaacgcc atcggaagt 300
 ccatcggtt gcaaaagagc tcgcctgcat ctgaaccaat ngactaacat gcatatnata 360
 tatatataat cactcttctg aacctctctc tttctcacgt actctcaagt ctccaccgaa 420
 tatataatcc ggttggttg attttctttc ttctttggat ca 462

<210> 23800
 <211> 300
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C5

<400> 23800

cccacgcgtc cgcgtacgcg tgggctgacg cttgggcaga cgcgtagata caatcgcgtg 60
 gggttatattc atacgtcgt caggatcaag gcgccgtatc ctgcgtgtcc gcgctcatat 120
 ggatcaagat atcatcacc acaacttgta tcacgtcatg aattaattaa ggccacatgc 180
 atacatgcat catgcatgca tgcttaatct acattccatt attaagcttt tacaatgcat 240
 gcatgcatat attaattaat tatcatcaat tatcatgtac atacgagacc tacttactac 300

<210> 23801
 <211> 74

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-C6

 <400> 23801

 cccacgcgtc cgcccacgcg tccgcccacg cgtccgggtc tagatcgcg tctagaacta 60
 ggtctagatc gcga 74

<210> 23802
 <211> 463
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-C7

 <400> 23802

 cttcgagaac gtgggtggca gcacactgga agccgtgctt cccaacatgc gtatccatgg 60
 gcggatccct acctgcggaa tgatctcgta gtacaatctg gaggagccag aggggtgtgca 120
 caacctattc gaaatcatcg ctaagcgctt gcgcatggag ggtttcatgg tcttcgacta 180
 ctacagccag taccacaagt tcgagcaaga gatggtcggg tacctcaagg cggggaagat 240
 agcctacgtc gaggacattg ctgagggggt agagaaggcg ccggaggcac tcatcgggct 300
 cttcaccggg cgcaacgtct gcaagcaact ggtcgacatt gcgcgggaat gaatgctggg 360
 catncatatc tacgttgaga ataatgtcgt ataaactata aagcatgcgt acgttttcag 420
 acgtgttagg aattgatggg ttgcagtgct tgcaggctta tgc 463

<210> 23803
 <211> 374
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-C8

 <400> 23803

 ggacagcctt gaccaatgaa gcaaactcat cccaccgcaa agaaccactg gtatactgat 60
 ggaccagctc aactataagt tttcgatcca acatgattgt tttcttgaat cccaggtacc 120
 tccggtgtcc ttcgacaact ttagccatat tgccatcata tgtgggaaca aatatatcac 180

tttccagtga taccaagtaa tccagtgcag ccattttgcga cgaatgggttc tgaaagaaca 240
 tgagatcaga aggttccaga agcgtctcct ttctcaccac gttagggttaa gccaaaggtaa 300
 gagaagccat tctgcgtttt ccacatata tcttcccagc tgcaatgtaa atttgcatac 360
 ttttgtcgat attc 374

<210> 23804
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C9

<400> 23804

gcggtgaaat gctattccaa gtaattaata ctcatatacc atagaacatt ttctgtcata 60
 ctagagccta taatacaagt aaccaatcct attgtagggt gctgactgct ttctagagta 120
 cgaaatccat ttttctacag cagtattaag catgggatgt gctctaggat tggcttatcc 180
 acatactaag ttggaccaca attaatcaaa actacatcat tgtgctcgat aggaaatttt 240
 gtgcttttct ttttacatat agatcatgtc tatagggtctc agaaaacttc atcaaatgta 300
 ctcttgtttc acctacatgg aaacatggga tgtgattgta tcggagtggg attattacaa 360
 ggtacatata gtactagctt gaggaactga agatgtttta catgtgatgt acatcggact 420
 tgagagctat gaatcaacaa catacgtttt aaac 454

<210> 23805
 <211> 214
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-D1

<400> 23805

aattcccatt cgaccacga cctactctta accttcaca acaccacttc cacaactttc 60
 tcatccctgc tttccaacat ccatttccgt cgggttatta ttacctcggg aatcatctac 120
 aatcacaatc tccatcatcc atacattata cacaccctat tctaatacat cctaactctc 180
 ctccacatac aactctttca tcacactcac acta 214

<210> 23806

<211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-B12

 <400> 23806

 ttttctttct aattaaagta aaaagtaccc acggaaatgc ccaaattgca aataaaaaaa 60
 atgaaagtaa aggatatatt ttaacctgaa acggatatct ttgtatcttt tttctttttg 120
 ttattttctaa ctcatattta tgagataata aaatatgaca aaagctatac caaaaatagg 180
 ttcacgtaag aaagtgcgta ttggtttgcg taggaatgcc cgttttagtt tacggaagag 240
 tgcacgtaga ataacaaaag ggattattca tgttcaagct agtttcaaca ataccattat 300
 aaccgttaca gaccacaaag gtcgggtcgt tttggctctc cgcaggtact tgtggattca 360
 aaagctcaag aaaagcatca ccctatgctg gtcaaagaac agcagtagat gctattcgta 420
 cagtgggttt gcaacgagca gaagtta 447

<210> 23807
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-H7

 <400> 23807

 ggccaaggtg aaggagtcgt tcaacgatgg gaaggagctc accagcaacg ccctggcgct 60
 cgatcgagaa ggggtcatcg ctctctctcg tgctaaaggc cggctcgaaa cgacggttgc 120
 tcgaggagga gggagaaccg gcgcaagccg ggctgcact cgacaaggac ggcatcccg 180
 agtgggtgcc cgacagtgag cggagggtgc tcaagggcgg cggcttcaag agcacactca 240
 cgccaaatgt ggtggtggcg aaggacggca gcggcaagtt caagaccatc aacgaggcgc 300
 tcgccgccat gccaaagacc tacgacggaa gatactgat ccaagtgaag gagggagtgt 360
 acgaggagta cgtgaccatc accaagacta tgaaaaacgt g 401

<210> 23808
 <211> 376
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-H9

<400> 23808

```
caagaacaaa ccattgttgg acgcgttccc ctctgcacg caacctcatc tcgtgctcca 60
gagcctggat ggccgtcctc cttgatcctg gcctgcaagt gctctcggta agctacttgg 120
tttggattaa taaggaaatc cgttggctta aggtaatgca ggctaaaacc tgatggctga 180
attcggcatc taacggcctg gaatagagct aggactggaa gaaaccacca aaccgcggtt 240
ggatcctgta tcgatctgga gaaatttcta agtcgtcgtc gtcgtcgtcg ttcggttcga 300
agcggatctg aggcgactat ggctgaaggc ggcgggatct ctgggtctgc agtcctgctt 360
cacctcgatg gatgat 376
```

<210> 23809

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-A1

<400> 23809

```
tgctgtcatc aagcctttct atcaaagttt tggcatctgg ttcagtttca gcacaagttc 60
tagtgttagc ttcgtggggg aaagaaaaaa aagaaggaaa aaaaatccaa gaaagttctt 120
gaaaaaagaa agaaaaatag aaaaacaatt tgaaaaagca aaaaaaaaaa agtatacaaa 180
aatggaaaaa aaatagtgat gatgtcatag gctaggaatt atcccccagg gtagccagca 240
gagaatgggt caggcacatt catggtactg atgtggagtg atatcattag ccatttactg 300
gcaatagcat gttgactatg catgcactcc agaagaagtg cagcagcatt tcaattcttg 360
tggaactgtt aacagagtga caatcctgac tgac 394
```

<210> 23810

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-A10

<400> 23810

```
atcaggcgca gacaaagaga ccaccaatga caaaaactcc taattacctc ctgtagggat 60
```

ccctcgatgc gtgtgttttc ttctggctgt tgtatctgat gctcaaagta gatgctccgt 120
 gtgtcttccg ctgctgttcc gcaaggaaac tgactcccc gaccgtcgtc gtgatgctgc 180
 ccgctcatgc tcctagacgg gaatgactgc cgcagaatga cgaatagggc tgggtgtgtgt 240
 tacagtatgg tccttttccc ctcttttcca ttaagctctg tgatgtagct gtccgtgctg 300
 ttgattcatg agatcatgct agagatTTTT cctgagtgcg tgtaaaactg tcgaactatt 360
 tgaacgaaag ttgtacactg cagtatgtaa caatctccta gatccgnctt ttgtggcgctc 420
 ctgctgtaaa aaaaaaacia atttttattt tt 452

<210> 23811
 <211> 382
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-A11
 <400> 23811

tcattcttctc cgatccatca acaatcgccg agagcgatcg agagataaat aaagatgaag 60
 aaaggggcat catcgtcagc cgttctcttc gtgctagccc tgacgctagt ttgtgccccg 120
 ctgatagcag aggcaaagaa gaagagagtc gccgccgccg ccgccgagga gaagaagggtg 180
 caggacaact tctgctcgac gctgtgctgag ggcaggaagg ggatggacct ggtgggtgtgc 240
 aaggagtcct gcgacctctc acagcgctcc aacctgggtgc tgtacggccg gatccagtgc 300
 aagggaagt gcaccgagca gaagggcata accgaccgca gatgaaagtg tgcccagagg 360
 cgttcgacaa ggactacctg gt 382

<210> 23812
 <211> 321
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-A12
 <400> 23812

gacggacgcg tcctacgacg actcgctccg cactgcctgc tgcctttttc atccgacaaac 60
 cctagaacca caaagctgat atctctacac tgggtgtgcg gctgcatccg catgatatcg 120
 ctaaagtcaa cggagttgct gcatactctca gacactgcaa cacacctgct caggttcttc 180

acttcactgg accctcatag ctacccaact tcttaaaaag tcttaatcac gatgtcattc 240
 ctgccggtgt cccaaggaaa cctgcgatga ctctcgatga cctctttaac atcaacacat 300
 gcatcgacaa gacacttggt t 321

<210> 23813
 <211> 347
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-A2
 <400> 23813

gcgactctgc atagatggat aagcagatgc ggattcacta gcatcaacat gagagttcta 60
 gacggatgta acggagctgt cattcgcagc tgacagcgct aatagctact cgcgtaacga 120
 tcattaacat gtactacatg ttgcggcgca tggagactgc tacgatgagt tctctagagt 180
 tctagattag agagtgctag taaagtttga cctgctcaga acatgactgc ttataacgga 240
 tgaatctagc tataatgtgt cacgctctca ttctatagca ccagatgttg catgccgac 300
 atatgcaatc gagtcatcat acgtgtcgga cttgctcaca gctcaca 347

<210> 23814
 <211> 406
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-A3
 <400> 23814

tacgacgtca cgcttggtgt actcacattc ccccagggtca aggacaggta ccaactggata 60
 aggagtatga aggatactgt gatgagttcg tgagtggctc aggcgctcgt ctcccaatca 120
 actttgggtg ctggatcggt gtcttcatat gatgtaatta tttaactatt ttgtacagaa 180
 ctccattata tattaaagtt gtggcattcg tttctgtacc atgagtcac atagtgtga 240
 gacttgggtc tagcacactt ggtgattatt ttcacgcctg ggttttgggtg cccctagaac 300
 ccgggtgtga cagaagtgg atcagagggg tgttgactgt angacgaaac ctagatagaa 360
 ctggataacc cttacctact tatctttgct actctgattt ttttct 406

<210> 23815
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-A4

<400> 23815

ccccacgcgc cgccacgcg tccggtggag ccctacaacg gcagcttgcc gggcctgcgc 60
tacaaccgaa actcgtggac aaaggtggcg catattcttt ttgtggattc gccagttggt 120
gcggggtttt ccttctccag agatgccaaa ggctacaacg ctggagcggc atcaaccacg 180
ctacacttgg cgaagtccct caccaagtgg ttcaacgacc atcccagta ccatgcaaat 240
cctttctaca tcgatggaga atcatacgct ggaaaaattg taccattcct tgcacagatg 300
atttcagaag gtattgaagc aggaatgaag tcggcacctc gtctcaaggc ctatctag 358

<210> 23816
<211> 438
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-A5

<400> 23816

cggacattcc ttctttcact tgttggctct ggacattagg ttatgtttcg accatgggac 60
atgatattcc acccatccac cctaaatgca gcgacctacc tggaaaactt atgatgttgc 120
catttgtcag tggtgactcg tggattcgtc taacttccac atatgcggta tctagtatgc 180
ttgactaaag tattcgtgtt taagtttgta tctgggtttc ttgttggaat attctgtgcg 240
ggggcacaac agctgttggt ggtcacagta ggcttgactt gtgtctccat gacatcaata 300
atattatgtc atgttcgtgt gtgatcattc cactattaga gaaagcacca tatgtaccgg 360
ttgagaattg gctttaaaga ggagatttta gtaccgggtc ttggtatgag ctgatactaa 420
aagttacata aaanaaaa 438

<210> 23817
<211> 236
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-A7

<400> 23817

tcgcccacgc gtgcgggggc cgcccttttt tttttttttt acacaagcat aataatttga 60
ttagggggaa tagccatcta taacattgta ggcacgtgt tcaatgtaat gtatacacia 120
gatcagtaat aatactatgg ggtaccatta acgtgggagg aaagtataca ttctattatc 180
cagctctagc gaactcagaa cgaaaaggtc tagtactaaa aacaaccact tgaagg 236

<210> 23818

<211> 349

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-A8

<400> 23818

ttcagttggc gcacgaggat gctagtcata tcagactggg ggaggcggtt catcttttga 60
agggactcca gtagcatata aattcaaata tcccgatattt gtagttcacc tgcgttctag 120
atgctactag tactacttgc atcagttttg ctgtccact atttccgaag cttagcctcg 180
caaggtttct gataccaaat tttgacctg ccaaagtgtt tgttacctcg tcatgcacac 240
tgagtgattc agatgttata tacgtcttat cggatatttg cttttttatg tagggcacta 300
tgatttctag ctataccgat tctaattgta agtttgagtt attctggtc 349

<210> 23819

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-A9

<400> 23819

cccacgcgtc cgctctgcct ctcttctcta aaccggcgac caggagaact tctcctgtcg 60
acgggtagct cggcgtgggg gcataaccct gccggcaacc acgggtcaag gctacgatct 120
acgtagccga ggtcctccta ccttgggcaa taccgccctt gacatgagct gtccgtcaac 180
ttttctctgt agagtgtgcc acgggaggag gcatgggatg aggatacggg atgagagaag 240
ccgcaggcca ttaccatgc atattcacia agtttgatag tcgtggctgt aaggagtgtc 300

cgctcgtcag gcctcacaac ccatatggag ctactacatc catgctgtat aagctgccga 360
 atacacctac tcacggaagt ctcatgggcc ctcatcgagc tgacgccaga gcttgtagt 420
 actgcgtctg cgtcttacac tgata 445

<210> 23820
 <211> 71
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B1

<400> 23820

aacggagtga aaattggcat tttgttggga aatggattta ttttaaggag tacaattttt 60
 tttgacaatt a 71

<210> 23821
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B10

<400> 23821

cggacgcgtg ggctcgtctc ctccactcca attgaacagg cgccggcgaa aggcggggagc 60
 ggcggggctgc ccattcaccg cccctgatt tcttgggagt tgcggatcgg tctccggggc 120
 agcgtgcaac ggctggaccc ctccgatcgc cggagatgct gccctacgcg acggctgcgg 180
 atgcagaggc agcgcttggc cggcccatga cggccgccga ggcgctgtgg ttccggtaca 240
 ccgcgggggt gtccgactac cacctctact gctgcaacat cctctttctc ttcgtcgtct 300
 tcacggtggc accgcttgcc atcgcgtccc tatcttcagg ccccggccgc ggtcttgccg 360
 tacgaactgc agccgcaggt gccgctctcc agggccgagt tcgtgctgtg ctactaggac 420
 gt 422

<210> 23822
 <211> 259
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B11

<400> 23822

cgatccattg aataatTTTta ctaatcaaT tcttgTtggg atatattcct ccaattcccc 60

tggtcgtacc aacaaggcaa caacaatctg atccggccgc caaacaacac caacataaaa 120

acacactgaa cccaataatc cgatcccaca gaaactatta tctcggtccg tacgatcgat 180

cgctgccgcg tcgtttgccA gacaccatca acacccaaaa ccatgggtcta gaacctgact 240

cagtgcgcca tcgacgacg 259

<210> 23823

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-H6

<400> 23823

attcccgtgt gtcgaccac tttcctaaa aaaaataaaa aaaaaaatct ataaaaaac 60

ttaaaaaaaaa aaaaaaaaaa agggaccctt agcgtatctt tttcccaag ttcgcacact 120

ctttctctgc taccttatat cttttctata gtttcatcta ttttcttttc tgtccccgtt 180

tttaacaac gtcccctctg ttaacccctt ctcttccctt tttttaatcc ttttacttca 240

tatacccttt tctaattctc tctttatccc taagagcccc tcctttttct ctctcccaaa 300

cttattctca ccttgatctt aatgtttcac cct 333

<210> 23824

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G1

<400> 23824

tcgaccacac ctaagtccaa atccaaacat gtcagatcat gcaccagcaa cgctactttg 60

ggttgTcagc cagttgtgcc atcaattcag tagcactcaa gacaaacgga gcaatctaca 120

gagaaataaa tccaacaaaa caggtttcca cactaaaaat aaccgggat aggtgcatcg 180

tcatcccaca gttccttgaa ttactcatg tccatctctg ctgactcctc cggcatcttt 240

tcttgcatag cctgagactc ctgcattttt gacacgacag tgaaaatcct ctggtactga 300

tctcttgctt ccgggtactg agccatggac ttcactcttg caagagcttt ctggagccgt 360
tcttcagtct gggttcgtcc ttcttgcaaa aaatcgtaat catctccaga agacttattt 420
tggatcgaac t 431

<210> 23825
<211> 421
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-G10
<400> 23825

tcgcccacgc gtccgcccac gcgtccggaa ccacagacca caaaggaggg gacacggaca 60
cacagacaca ccgtctccgc ccgcccgcgc cgacgcgcca tggctatggc tcgctccgtc 120
gcgcacctct tctttcccat cctccttata tccaccgcgc ccgccgtgcg ggccatcacc 180
gacgcgctcg gcggccccgc atacctccag gaggcgtgca acaagacgct gttccccaag 240
gtgtgcatgc acgcgctcaa ggacaaccca gagtgccagg cggagacggc ggtcaccag 300
cgccggctgg ccgagctgct cgtgtacgtg tcggccgagg tgggcatgac cgtggccgcg 360
ttcgcgcacc acgagctcaa cgccatccag gacgacgacg ttctgtacaa gtgcattgac 420
a 421

<210> 23826
<211> 238
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-G11
<400> 23826

aacaatcgtc cgccaactcg taccgcacca ctgacgaaaa aggaggcgac acgggtacag 60
agtcacagct tatcgaggcg tgcttgctaa ctcgcaaatg ctatatatat ctacgtaatt 120
caactattat ttccgatctt atatctctcc ttcactctca aaactctggc gatccccaac 180
tcagaagcca ttcaaagatt cccactttat gcctgaaacg cgactgtgtg aacaaagg 238

<210> 23827
<211> 424

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-015-Q1-K1-G2
 <400> 23827

accacattgg ccattgtcat ccaactcttt tctgtttaag tagcatcgat tttgttcctt 60
 aaaagggtgc taagttaggc acatttggag tattcagtca cattgcaatg attgacttgg 120
 tagaaagatt ttcattgtgat ttcttaaggt gggtttagagg aaatagtctt ttagggaagt 180
 gagctgaagt gttataccgt agagtgcct gattacacaa aatcaggggt tcagtgtttt 240
 tcttcttctc atattcaggg atgagggagt ggactacatg gcttataggc tgaacttgca 300
 cagtgaagta cttctgtaaa actcatagt cttctaaaat caaaatattg agaggaaatt 360
 tattttttca gtttatgtgg ttttggttct tggaaaagta aagcagttct catggcagaa 420
 atat 424

<210> 23828
 <211> 401
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-015-Q1-K1-G3
 <400> 23828

attactgttt tctgctacac aaacgaagtc agttaatgac cttgcaaggg ttagcttaag 60
 ggatcctgag tatataagtg tgcacgagga ggccagaaca gccacaccgg atacccttga 120
 gcagtatgcc atgattgtac ctcttgagca gaagttaa atgctctgga gcttcattaa 180
 aaggcatcta aattcaaaga cgatagtctt cttatctagt gtcaagcagg tcaaatttgt 240
 ttatgaaatt attaagaaac ttcgtcctag tattcctttg aaatgtatgc atggactgat 300
 gaaacatgtg gtacatgagg ccatagttgc agatttcaat gaagctacct cagagctttt 360
 ctcaactgat ataacatctc gaggactaga tataaagatg t 401

<210> 23829
 <211> 267
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-015-Q1-K1-G4

<400> 23829

gtcacgacgg tcaaggacct ctccctaggaa cgggcctcac tgctcagccg ccagcatcaa 60
gggctccgat gaggctgcgg ctgcggctac cgggcagccc actgcaagtg cctagacctg 120
cagcatcaac gatgaccgcc actgctccat tgacagcgtg catgacgagc cgcttcatca 180
gctccacgat tactataacc ccgagatcgt ccccgtaag atcatacacg aggacacgtt 240
tacattcgac gcttcagaaa aagagac 267

<210> 23830

<211> 236

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G5

<400> 23830

gttattatta gtccttgctg agatggatca gatcttgtga gttaagtaaa gcgtgcaaga 60
gatgtcgaca gacactacat gagatgacac gggttctacaa ctctaccgga gtctctagtt 120
tggttctgctt ctgcatgcct ttggcgtaat gtaaacgaac gctaaggttt ctgtaatttt 180
gctgctgtcg cgctggcagt ttggttccag atgaaaaaaaa aaaaaaata ttagat 236

<210> 23831

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G6

<400> 23831

ctcaacgcgg tgcgtggggg ggcggtgctc tcgcgatacct cgtgtcgaat ccagcggcgg 60
gggtgccatt ccctccccctg gccgttgccc gcgcctcgcg gtcgcgcacc ggaaccggag 120
ccccgccgag aatctagggg tgcttccgcc tcgccccctc ctcccgagac tccctagcggc 180
aggaattagg acgagggtaa caggcgacag atgctgcgaa ggacgccccct tgtcgaatgc 240
gccggcgacc gatccgtgga ggagcagccg gagcacgcat gagttgaagg gcaagctttg 300
aaaatgtcat ccaactgtgcc gaagtcacat aatatcttct ggcatgattg cctagttggc 360
aagactgac gccagatact actcaaccag aaaggctgtg ttgtctggat cac 413

<210> 23832
 <211> 251
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G7

<400> 23832

tcttctcttc accttactca ttaattttct gtaccatata taccctctta tctaattccag 60
 tctcgagagt tccattgact ccacttgacg ttacacgata ctaaaactct accaccgtaa 120
 ctagtaccgt gactttaata atgcatcaca cgtcaaata actatcgata ttaaacttat 180
 agcatctcta attacaaaca atctaactgt catctaata taaaaacgac aaatcttttt 240
 aaataaccct t 251

<210> 23833
 <211> 228
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G9

<400> 23833

tcatcgtga ggcttgcacc tcgatacgt actctatgga actttcgtcc taccaggctt 60
 ccgagcactc gtccaccac tcttccgtgc actcgtccga ataccgtct tatcaacctt 120
 tctgtttaac tacatatcat ctcatgtact ccattcaat actcaactcc taatccaggc 180
 cacatcaaac aacctattta tagagaacca cttccttcca gatagac 228

<210> 23834
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-H10

<400> 23834

tgcgccactc gtccgccac tcgtccgcc actcttccgc ccacgcgtcc ggagagctga 60
 caaggagact tggttcggac tgccaacaag tgtctcgtgt tataggcaat gaccttaacc 120
 tgatttcacg caatttactt caggggtgcag gtgcattaat ttatctgcta gtcttatctt 180

ggcctctcgg attgtgtaca atgtttgttt gtgcaactct atcagcaatt atgctagttc 240
atggacggtt tcagaaaagg gcagctaaat ttgcacagga gttcaccgca aacgccaata 300
atgttgctca agaggtgata acttttggtta ggacagtgcg agtatatgga acagaaaagc 360
aggagtttaa aaggtatgca aactggcttg ataagctgta tgatgtgagc tttcggcaaa 420
cagtggctta tggaagct 438

<210> 23835
<211> 192
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-H11

<400> 23835

ctgacgcgtg ggttcaaattg tcaagcccca cttgcaaatt accccagcat caagagcagt 60
ggccggccgg ccggtagctc tcggtcgatc cactgcggtt tccagtcccg aataatccca 120
attcccaatc gattogaagc ttccttcctt cgaggagagg gggaggtgga tggctccggg 180
gaagctttgc tt 192

<210> 23836
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-H12

<400> 23836

ccctgcacgc ctggcctggg ctggccgcct ccgaccaccg tacgtcctcc accgcgtcgc 60
cgccggccgg cctctgcccc gcccgggctg cctgcgaggg cttctgatgg ccctcgacgc 120
cgtcctttcc tctagtgcc cagctttatt gcagatccag ccctctgac ctcgtcttct 180
ttcacctctc caacatgaag gtcaacacca agatcaagct ggagccggtc atggcgccgt 240
cgtcgtccct gcccgggagc gccagcgagc taccgaccc gccgtcaccg ttcagctcca 300
acacggcgca ccaccccgct tccgtgcccc ccacacctag gttgtcctta tcgtgctcgt 360
cgttcggcca catggtgacc ccgcccaccg acacaccgcc gatcacg 407

<210> 23837
 <211> 337
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-H2

 <400> 23837

 aaaacacata aaaaaaaaaa aaaaaaaaaa taaaaacaaa tataataaaa aaaacaaact 60
 aaggctatatt gggggaattc atcggactcc acggttacat cgccttcatt gcattacaat 120
 agcgtctact ttcttgtcat ataattccaa tcccttgact tcaattaaca ccgtcttcta 180
 ccttcaaaat cccgacctaa cacgcattta ctgccatgct tgttgaatca ccttccaata 240
 catggactac ttcccaaact gccactactt acaaagacct gaccattttt cttcacgctt 300
 ttatagtaca tggcacgctc ctctttcatc aatattt 337

<210> 23838
 <211> 338
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-H3

 <400> 23838

 tcgggagtct gatgaagttg atgaagaagg gactgacaat ggaggtgcca agcgacaagt 60
 caagctttca agcctaggct tcaactggtt caaaaggaaa accgaggata tcgaatcaag 120
 cggaaaaggt cgttgcaaat tcttccaggc ttgcaaactt gagttggtca ggaagtttca 180
 gtgatgtgtc ctaatttggc agtacgtact tatatttgtg gtagctggag tgtttggttt 240
 agtttgttgt agagcctaata ttgaaactgg tctaaattgg atgttgagat tggaatggga 300
 agataatgat tttccccaca taaaataaaa ttaataaa 338

<210> 23839
 <211> 375
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-H4

 <400> 23839

 tcgcccactc gttctccac tcgttctcgg acgcgtggga aaaagaaaaa aacaacaaaa 60

taaagcttta aaggctaaac ttaaatggta aaaaaaaaaa aaacaaaaga tatcaaataa 120
aagcgggaaa agtcttttgc aattattcta ggcttgcaaa cttgacttgg tcaagaagtt 180
tcaatgatgt gtcctaaatt aattaatacg tacttatatt tataaaaaact ggagtgtaaa 240
aaccagtttg ttgcaaagcc taatttgata ctggtataaa ttgtattttc agattggaat 300
gtttaagaaa atgaccttcc ccaattgcct tacaaaaaat ttgcaaaacc taaatgcaaa 360
ttggaacgcc ccttt 375

<210> 23840
<211> 335
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-F9
<400> 23840

gaggagaacc agcagcctcc aataagagcc agccagagaa actaataaaa ctgtggccgt 60
cggcatccga gcgaacaagc caaccgaccc cgcccccaag gcaatccggc ggcgacgtac 120
caccaccacc gcaggagcga gatggagatg aagaggatcc tcttcgccgt cctcgtcgtc 180
atcgccgcct cggccaccgc agtgctggcc ttcaccgaag ccgccgccgc gggcgcccca 240
actgcctccg agtcgtccgc cgaggtccc gctggcgctg gcgctggcgc tgccgctggc 300
gccgtcgact tcgggccctt cgtcagcagc ggcg 335

<210> 23841
<211> 389
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-H5
<400> 23841

ttcactcgtc ctaccactcg tcctcggaact cgtgggtttt tttttttttt ttgggttttt 60
gggtgttttt tttttgtttt tttatttttt ttttatattt tttttttttt caaaaaaggg 120
acaatcaaat tataaaaatt tgcaagtcca attacaccaa taaaattatt ttactaagga 180
aaaattaaca aaagttttaa gaaaggtaaa aaaccgagga taaaataatt aaagccttca 240
aaaaaatttt gtaaaatttt taaaataatc aacttgatct agaaattgat gaatacctgt 300

ttatataatc tgaatacaaa ttttatttta caaataaaac ttaacattaa tctaaaaaaa 360
aacaattgaa taaaatttgg ttaatttat 389

<210> 23842
<211> 455
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E3

<400> 23842

aaaggaagga gggcaggagg agaggcggaa caaccgtct cctccatct ctctaccttc 60
tgctcctgcg cccctatcca tcgctcgac caccactga cggccggcg gcctccttat 120
taccataaca tcacgggacg gtggctcgat gcaaggaggc cactgagcc cggatgagta 180
ctgggtgata tcgccgccg cgctgctgca ccagccggcg tccaccatcg tcgtggccat 240
cgaccgggac cggaacagcc aactggcgt gaagtgggtg gtggaccacc ttctctccgg 300
cgcctctcaa atcgtgctac tccacgtggc cgtccattac cacacgaccc atgggttcgc 360
catggttgaa accacgcatg gtgcgctgga ggctgaaatg aaggagatct ttgtccccta 420
cagaagattc ttcaaccgga atggggtgga agtat 455

<210> 23843
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E4

<400> 23843

gttgggtcag aattcaacaa acacacagga tgagaaagtc aaaaagtct cacctcctcg 60
gagaaaggcg tataaagaag acaaacttga tcggcagggc aactacgtga aaaaggataa 120
tggtcctgag acaggtcgga ctgggtataa gatacaacag gcaaagcagc tgcaacagca 180
tcaaaggcca acatctgctt cagcttcgtc aaggcaatct gaaaaggaaa gttcttctga 240
tgatgtagaa attgatgcaa ttcttgagga agaggaggcc ctcatcgag ctacaggaa 300
ggagatcgag aatactatgg agatcgtagc ggaagaaatg aaccttttgg cagaagttga 360
tcaaccaggt agcctgattg acaactacgt gaccaactg agctttctgc tgctac 416

<210> 23844
 <211> 306
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-E5

 <400> 23844

```

aattttacta atcaaactct tgttgggata tattcctcca attccccctcc tcctcccaac   60
ggggcaacaa caatctgttc cggccgccaa acaaaaccaa aaaaaaaaca cactgaaccc   120
aataatccga tcccacagaa acttttctct cggtcctgttc gatcgatcgc tgccgtgtcg   180
tttgccagac accatcagca cccaaaacca tggcctgcaa cctgggtcag tgcgccaccg   240
tcgccgtgct gaccgtcgtg ccccgacccc ctagccctgc tgcgtacgcg tccgtctcct   300
tctccg                                                                    306
  
```

<210> 23845
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-E6

 <400> 23845

```

gcgaatcgac aaccaccccg ccggggaggg taatccaagc gagggcgagc catcaccgtg   60
ctgttcctcg tttgctgtcg cctcgaagag cctcctccgt tccctctccc tcgaccgatc   120
ggccggtctc acggggcatt tcgcgggggt ggtcgatctc tccccgctca ttctgtcaag   180
ggattgggtcg gttgccgatt ccgtgcggcc ggataactcg gatttattca gtttttcggg   240
ttcgctacat gcgtgtgcga tgccggccag ctcctctccc gcgtcccccg acgccaccgg   300
cgacattggc gccgcgctcg agctcgatct cgaggatctc gccgtcggcg gcggcacgga   360
ctgcacgggc gcgctcgctt gcggcaggag cagcttc                                                                    397
  
```

<210> 23846
 <211> 304
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-E7

<400> 23846

aaccataagt ggattcgacc tggacacctc ttcacctgcg gtcttggttc ttacaaaata 60

gcctctgtaa atgatatacc tctcaatttc aaggtttctc tattaaaggg tgttccaaat 120

ccaaaggcta ttcattcttc caaagccgtg ggagagccac ctttttctct aggttccgcc 180

gtcttatttg cgataaagga tgcgatctct gcggcaaggg ctgaggtggc gcacttggac 240

tgcttttcac tcgactaccc ggctacaccg gaaagaataa gaatggcatg tgtggattcc 300

atta 304

<210> 23847

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E8

<400> 23847

cccactcgtc cgaattttac taatcaaatt cttgttgga tatattctc caggtcccct 60

gctcctcca acaaggcaac aacaatctgt tccggccgcc aaacaaaacc aaaaaaaaaa 120

cacactgaac ccaataatcc gatccacag aaacttttct ctcggtccgt tcgatcgatc 180

gctgccgtgt cgtttgccag acaccatcag caccctaaac catggcctgc aacctggctc 240

agtgcgccac cgccgccgcg gcgaccgtcg cgccccgcac ccctcgccct gctgcgtccg 300

cgtcggtctc cttctccgcg aggaagccgg cggtcggcag cctgcggctg cagcggcagg 360

cgtgctgcga gccgtcgggtg gcgccgtcgc gggcggtg 398

<210> 23848

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E9

<400> 23848

tcgtggacga caccggcgtc gtcgaggtgg atgccggcgc cgccaatgcg gtggcgctgc 60

gcgtgaagcc cgccttgacg ctggaggaaa agggggagct ggagaaggag gtgtgggcga 120

ggttctacgg caccggcttt tggaggagcc cgtcgcagct ggacgacaac gacgacaggt 180

gatcgggaca ggcccgcgag cgagctatcc acaagctcct ccggcgatgc gtgggcttcc 240
 ttcgttttcc gcggaagaa gagaggatcg aggaaaggga aacatgattg tgtgttcgat 300
 actacgatta cgaacttcgt tttcccttct tttttgtttg tttggaaggg gaaatacttc 360
 tcttctattc tacaacaatg tcacgtacat gcaatgtaat aataaaaaat gtatgtgata 420
 tatttaacaa tgtgattgat gatggataaa tggaaatgga 460

<210> 23849
 <211> 468
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-015-Q1-K1-F1

<400> 23849

cccacgcgtc cgcggaacgcg tgggtggaat gcagtttgca atgcatcacc agcctcttgc 60
 ctcgcagggg agtgccgctg atgttgcag cagtgggtgct atgccagcta gggataccaa 120
 gcaaaggcct acgaagcctt gtgcttactt caacagcgcg agaggatgcc ggaacgggtgc 180
 gaactgcacg tttctgcacg atgtgtctgc cgcgaggaaa gaacagtcaa agggttccaa 240
 aaggattaag cttgacagca gaatagccgg gcggtattga ggggctgctg ccgccggttg 300
 atttttgact gttcttttgt tcaaaatcct catttcgccc tttttccct taaaaacgt 360
 ttcagtaaatt attgcgcccc agctccttgt ttctttcact tagccaattt ctctntgttg 420
 actaatgag gtgttttaga agaaagaaaa atatcccacg atttattg 468

<210> 23850
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F11

<400> 23850

cggacgcgtg ggcgagccgt ccagttcagt tcacctcggt ccgggaccgc gagtacaccg 60
 acggcgggcg gtccgagccc agccgacgcc gagccaatgg tgactccagc gacattctcc 120
 ctccgcccc ggcgcccccc cgcgcgcct cgtgccgggc tgccccgcgc tcgggcctgt 180

ttcgcgccccg ccataccgcac ctcccccttcc gtcgcctttt cctaccagcc tcggcgcttc 240
 agtggcatcc gccgcgccgt ggccgtcgac tccgagcagg gcttccccga gtccccagag 300
 caggagaaga agcccaagac gtactacttc ctggtggcaa acgccaagtt catgctggac 360
 gaggaggagc atttccagga gcaactcgcc gagaagctgc gcaactacgc cgagcgcgac 420
 aaggagcagg atttctgggt cgtcgtggag cccaag 456

<210> 23851
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F2

<400> 23851

acgtccactc gttctccgac tcgtgcgtgg aattcagatt gcaatgcac accagcctct 60
 tgcgtctcat gcgagtgcct ctaatgttgt cagcactggg tctattccag ctaggtatac 120
 caagcaaagg cctacgaagc cttgtgctta ctataacagc gctagaggat gcctgaactg 180
 tgctaactgc acgtttctgc acgatgtgtt tgccgagagg aaagaacagt caaaggattc 240
 caaaaggatt aatcttgaca gcataatagc tcaacgggat cgaagggctg ctgccaccg 300
 ttgatttttc actgtttctt gggtcaaaat cctcatttcg aactttttcc ccttaaaaaa 360
 cgtttcagta aatattgcgc ccagctcct tgtttctttc acttagccaa tttctctttg 420
 ctgactaaat g 431

<210> 23852
 <211> 465
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F3

<400> 23852

gtcccgttcg ttcgattcgt tctttccgcc atggaggctc ggaggaagcc cgcggtgtgc 60
 ggtgccctgc ttgtgctgct catcgtcgcc tccagcgcaa cgggtgcgac tgctcatgac 120
 gagagctgct ggaaggacga cgaccaccac cctatctgct tccccgaaga ctgcgtggcg 180
 acctgccagg atcacggcca cgcggacggc cgctgcaact gggcatggtc gtggaggccg 240

tattgccagt gcctgttggc ggactgccaa taggcgcgaa cagctgcgtc gcatggcgtc 300
 ctggctgcct cgccggccga tgaaggatga acggttgccg ccgatgatcg atgtgtccgt 360
 cggcatgtcg atcactcatt gaaaccccct ctaatcctgt gcggtattat tttcatggca 420
 cctgtggcca ttaaagatcc atggacacgt acagtaccaa tacat 465

<210> 23853
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F4

<400> 23853

tccacgcgtg cgcccacgcg tccgcgagaa gagcatagac tccctacacg tcgatggcta 60
 cgccttcttc ggcgctctgga tgggccccgg gaagtggctg ccggagggtga ggaagacgta 120
 caacctgctg gacacggcga gccggcacac gatccatgtg taccgcgggt catggacggc 180
 aatcatgctg acgttcgaca acgcgggcat gtggagcgtg cattccaaca tctgggagcg 240
 gtactacctc ggggagcagt tctacatcag cgtcgtctag ccagctcgat cactgcgcga 300
 cgagtacaac atgcccgaca acgccctacg atgcccgaag gtcgtggagc tagccgtgcc 360
 gccgtactac gctcactcgc gctaagacga 390

<210> 23854
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F6

<400> 23854

cggactcgtg ggccggcgag caaggagcgc atgctggggc cgcaggccat cggcttccag 60
 gagggcgact accacgcca cctccgccgg ctgctctccc gggctttctc ccccgaggcc 120
 atccgcggct ccgtgccggc catcgaggcc atcgcgctgc gctcgctcga gtcctgggac 180
 ggccgcctcg tcaacacctt ccaagagatg aagctgtacg cgctgaatgt ggcattgctg 240
 tccatcttcg gcgaggagga gatgcggtac atcgaggagc tgaagcagtg ctacctgacc 300
 ctggagaagg ggtacaactc gatgccggtg aacctgccgg gcaccctgtt ccacaaggcc 360

atgaaggccc gcaagcgctt gggcgccatc gtggcccaca tcatcgaggc cgggctcgag 420
ggctagcggc 430

<210> 23855
<211> 58
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F7

<400> 23855

tcttactcct taaccgacta gctactactg atttattaaa cctagtgccca tatgggat 58

<210> 23856
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F8

<400> 23856

tctcgtctgt cggatatgtat gtcgtctgga ggaaaggaaa tttaagttat atgaaatgaa 60
tatgctgttg atgtgtcaaa ttcaaaaaaa aaaaaaaaaa aaaaataaaa aaaaaaaaaa 120
aaaaaaaaag aaaaaaata aaaaaaaaaa aaaaaaaaaa aaaaataaaa aaaaaaaaaa 180
aaaaaggggt ttccctttta aagaaccaat ttcacaaaat ctttcattta aaggatttaa 240
ctctttttaa gttcacctat aattgaatta actgcctggc ttttaaaaat ctactctacc 300
aaaaaaacat gttttttt 317

<210> 23857
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E2

<400> 23857

gcagaggcgc agagacaggc gtcttcgtac tcgcctatct ccgcgactca aagcttcttg 60
gatttcctac cgccgctcgt gcagctccac cccattccgt cgacaccatg agggagtgca 120
tctcgatcca catcggccaa gccggatatcc aggtcggaaa cgcgtgctgg gagctttact 180

gcctcgagca tggcattcag gctgatggtc agatgcccg tgacaagacc attgggggtg 240
 gtgatgatgc tttcaacacc ttcttcagt agactgggtgc tgggaagcac gtccctcgtg 300
 ctgtttttgt tgaccttgaa ccaactgtca tcgatgaggt gaggactggc acctaccggc 360
 agctctttca ccctgagcag cttatcagt gcaaggagga tgcagccaac aacttcgccc 420
 gtggtcacta caccattggc 440

<210> 23858
 <211> 172
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C4

<400> 23858

cacgtcaggg tcacaactgg cgtctgctgg cattgctcta actgatgcat ttagaactga 60
 gggttgtggc aatatttgaa gaattaacaa aatgtaaata gctttggcag ttactttacc 120
 ctttttagatg taacaaactc atcccgttgg ttacatgtac cttgttttat tt 172

<210> 23859
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C7

<400> 23859

cggacgcgtg ggctcgggca atccagtcac ggtgtacatc actgacatga actgacgagc 60
 ggatcgctcc ctaccacttc gacttgagcg gcaaggcctt cggctccctg gcaaagcccc 120
 ggctcaacga caagcttcgc cactgcggca tcatggacgt cgagttcaga aggggtgcggt 180
 gcatgtaccc cgccgggcag aagattgtgt tccacatcga gaagggtgc aaccccaact 240
 acctggccgt gcttgtgaag tttgtggcgg acgacgggtga catcgtgctg atggaaatcc 300
 aggacaagtt gtcggctgag tggaagccca tgaagctctc ttgtggcgcc atctggagga 360
 tggacactgg caaggcgc 378

<210> 23860
 <211> 333
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C8

<400> 23860

aaaaatcact agtacaatta ggcaactaac tattatcgct agtgtattca aacgctctca 60

ggtagatatt aaaacttcac ctttttgaat tgactggcac tgctagcaca ctatgctata 120

tctagacttc acacatcttg tcaggtgatt tacttgcac ctttacctaa aagaatacca 180

cattgacctc taccgaaact ggatccactg taatctgctt aatttctcta aatccaacca 240

ctttaatgaa ctcaacatta catatcattc ttaataccca aacttcactt cataactcac 300

tttaacatga catgcaatcc aattatcaaa cat 333

<210> 23861

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C9

<400> 23861

cccacgcgtc cggggtccag gaggaggagg gaggcgcagc agggcggggtg ggggagatgt 60

gcctctggga ctgggttctac ggggtgctgg cctccctcgg cctgtggcag aaggaggcca 120

agatcctctt ccttggcctc gacaacgccg gcaagaccac gctgctccac atgctcaagg 180

acgagcgggtt ggtgcagcac cagccgactc agcaccgcac gtcggaggag ctcagcatcg 240

gcaagatcaa gttcaaggcg ttcgacctcg gcggccacca gatcgcgcg cgcgtgtgga 300

aggattacta cgcaaagggt gatgctgtag tatacctggg agatgcatat gataaggagc 360

gatttgctga atcaaagaag gagctcgatg ctctcctgtc tgatgattct ttggccaatg 420

ttccatttct catccttggc aa 442

<210> 23862

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D1

<400> 23862

tcggggcctgg ccggcgaggc ttgccatcgc cctcggtcc gccaaagggt tggtttacct 60
gcacgaagat tggcacccca ggatcatcca ccgtgacatc aaggcagcca acatccttct 120
ggacgagaat ttcgaggcta atgtcgcgga tttcggtctt gccaaagtga ccacagacac 180
caacacgcac gtcttcactc gtgtcatggg aactttcggg tatttttccc cggagtacgc 240
gtcgagcggc aagctcaccg acaagtctga cgtgttctcc ttcggcgtca tgctcctgga 300
gctcattacc ggcaggagac cggttgatcc cacgaactac atggaggaca gcctggt 357

<210> 23863
<211> 335
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D10

<400> 23863

cccacgcgtc cgccacgcg tacgcccacg cgtacgcca cgcgtccgcc cacgtcgact 60
cggtcgaggg agtccaggct gttgccagcg agcgatggct agcaacggct cgtcgctggt 120
gcgccgagcc tgctcaactg tgcgccgaat gcctagttag aagaagcggc tcgtcttatt 180
cgccgtcgga gttagcacct tatcttatgc ttgtcaagat aatcgagctc ttcaaattcg 240
tgatgttact ggaacaaga agaaggcggg tacccttgga actggatgga ctgatgcaag 300
ttcattgaga aatatcgaca catctttgta tgatg 335

<210> 23864
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D11

<400> 23864

cccactcgtc cgccactcg tccgcccact cgtccgaaaa aaaaaaaaaa aagaaaaaaa 60
gaggaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag gggacgcca 180
taaaaaaac catgataaat gccccaacta ttgaaaatct aaagcattca aaggagacca 240
aaaattaaaa gaaactggac tctttataaa aaacataata gataaaaaaa cgatatatct 300

acgcaatata accgtgaaca aaaaaatcat cattaataaa aacgcataat taaaaaaagg 360
gcaaatacat atccccctac 379

<210> 23865
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D12

<400> 23865

tcgaatagac gcaataactga tggcccaaaa catgttgatt gcggtgggttc tcctgggtgc 60
caccgttctt gtggtggcaa gatcgttgcg ggttccagaa gaaccctcaa atgcggatga 120
cataagaggt gcttgcacg acgagtgcac cacagaaaat aaggctcctg gcgacaagaa 180
gacatgcgaa gtgttggtgca ccaagctcac aaaaaagcct accgaagaag gcaaactga 240
ttgatgaagt accactccga taatatatac cctagtggat cagtgggtcat cttttagacc 300
atgtctgcca cacgatggcc ttgactatat tgacttatgc gtatgtttct ggttttcact 360
aatatcctaa ttcgctagcc atataaccta atttactca aagcatttta tatgcttcac 420
ttaattaaat aaatac 436

<210> 23866
<211> 431
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-015-Q1-K1-D3

<400> 23866

cggacgcgtg ggcggactcg tgggcgcagc cggcaccatc tcttcccgca cccccattc 60
ggacgcggga gctcgacgag gacgaccgac gacgcacgca gagatccggc gtactgcaaa 120
ttttgaaaac tgaactgtaa gatggcatca gcagagcttt cccgtgagga aaatgtgtac 180
atggcgaagc tcgccgagca ggcggagagg tacgaggaga tggttgagtt catggagaag 240
gtagccaaga ctgttgactc ggaggagctc actgtggagg agcgaaacct nctgtctgtt 300
gcatacaaga acgtcattgg agcccgcgc gcctcatggc gcatcatctc ctncatcgag 360
cagaatgagg agggccgagg caatgatgac cgagtaacac tcatcaagga ttatcgtggc 420

aagattgaga c

431

<210> 23867

<211> 142

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D4

<400> 23867

acgtaaactc ctcttctacc tccttctctc aactttcaca atttctttac tcaaacctta 60

ttcggctctcc tgggctctac tatkactatc cactacattc ccatatatcc atcacactgt 120

acatttcgaa aactatacta ca 142

<210> 23868

<211> 345

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D6

<400> 23868

cccactcgtc cgcagaagat tacagctggt ataactgacc taattgatgt tgagttcgat 60

ggtcagaggc gcaatcggtc attttcacaca tgatgcaata agcaagaaag taatgggtgaa 120

tacaaagtgc agtactcgtc ctcgaccttg aatcgcattha ctggacctgg agccattgca 180

gatagctctt gagccttacc ttgatttaat ttacctgggt tttgagagac tatctatgaa 240

tatgctaact cgttcgtaaa gtatcttttt gtcccaattt tgattgatgg agctttaagc 300

ttgcttttct gtatgcaata aaaaaactta tcacattttt ctttc 345

<210> 23869

<211> 398

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-015-Q1-K1-D7

<400> 23869

cccactcgtc cgctcaatcg tgtacggcgg tggctcagca gagatatctt gctgaattgc 60

ggttgaaact gctgcagatc ggcaccctgg agttgagcag tacgctatca ggtcattcgc 120
 tgatgcatta gatgctgttc cactagcctt ggctgaaaac agtggtttgt cgccaattga 180
 taccttgacc atggtaaaag ctcagcaagt taaggagagc aacccccact gcggcataga 240
 ctgcaacgat gtatgcacca tcgacatgaa agagcagaac gtctttgaga ccctgattgg 300
 caagcagcag cagatcctgc tggccactca ngtggtgaag atgatcctga agatcgacga 360
 cgtcatctca ccgtccgagt actgatgaag cctgaagg 398

<210> 23870
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D9

<400> 23870

cccacgcgtc cgctcgtgga taacctggtc atcacccggca agggaaacct tgacggtcag 60
 ggcccagccg tgtggagcaa gaactcctgc accaagaagt atgactgcaa gatccttccc 120
 aactcgctgg tgatggactt cgtgaacaac ggggaggtgt ccgggggtcac gctgctcaac 180
 tccaagttct tccacatgaa catgtaccag tgcaagaaca tgctgatcaa ggacgtgacc 240
 gtgacggctc ccggggacag cccaacacg gatggcatcc acatgggcca ctcatccggg 300
 atcaccatca ccaacaccgt cattggcgctc ggcgacgact gcatctccat cggccctggg 360
 acctccaagg tgaacatcac tggcgtgacc tgcgggccccg gccacggcat cagca 415

<210> 23871
 <211> 309
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E1

<400> 23871

tcgcccactc gttcggttac atgatcagct cgatcaccta tcaagccaaa gactttctat 60
 aaacgcaaga agggatgctc ccagacgta aaagaacgac acacaatata gcataacgta 120
 acctttccat ctgtttgtcg agtaciaaata tcaccccaaa tttgcaagac caatataacg 180
 ccatacgata tattgtcaac cacaacaggt acaacataat acaactctaa ttcaacaaca 240

atagcccacc tgttgctata tccgacgtgc tctctagat aacttagcgc gctctatata 300
attcttgtt 309

<210> 23872
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E10

<400> 23872

gatgagtacc ttctcactcg cagctacatc actggctacc aagcttccaa gggtgacttg 60
gctgtctaca ctctgttttc gtctgctccc tcgtccaagt atatcaacgt agcaagggtg 120
tttaatcaca ttgatgctct cgtgaggctg agcgggaatta ctgcagaggg ccaagggtgtg 180
aaggttgaat cctcagcagt tccttcagcc ccaactccag atgttgctga agcacaggcc 240
ccagctgctg aggaggagga cgatgatgat gttgaccttt ttgggtgagga gaccgaacat 300
gagaagaacg ctgctgaaga gctgctgca gctgccaaagg cttctggcaa gaagaaagaa 360
tctgggaagt catcagtttt acttgatgtg aagccatggg acgatgagac tgaca 415

<210> 23873
<211> 103
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E11

<400> 23873

tcttctctga tttttctgta catcattaaa tccatacttt tctctatcaa tctttacaat 60
gtgtctctgg tcatgtgtaa' caatcaaacc ttccataact ttc 103

<210> 23874
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E12

<400> 23874

tctggcgtcg atgctgctcg tctggcgtcg cgtgggctcc gaggaggagg aggacggctg 60

cggcaaaaag aagccccacg tcaaccacgg caagtttaag gcgagccgt ggactgacgg 120
 gcactcgacg tactacggcg ggcgcgacgg gttaactgac accacggacg gcggctcgtg 180
 cggctacaag ggcgagctgg ggaaagacta ctgcaccctg acggcgccg tgggcccgtc 240
 gctgtacacc aacggcaccg ggtgcggcgc gtgctatgag ctcaagggcc ccaagggcac 300
 cgtggtggtg acggccacca acgaggcccc gccgccggtg agcgggcaga agggcgagca 360
 cttcgacctc accataccgg cgttttctcaa gatc 394

<210> 23875
 <211> 372
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C3

<400> 23875
 ctcaacaaca gccagctcgc gaaaataatg aagagccgca gcatggcatc atcggccgcg 60
 cgcttggtgc tagccctcgc gctagtggcg gccaccgccc cacaggtagc ggaggcaaag 120
 aagaagagag cggcggagag cggcgaggcg gcggaggcga agaagatcca ggacgacttc 180
 tgctcgacgc tgtgcgaggg caagaagggg acggacctgg tcgtgtgcaa ggagtcctgc 240
 gcgctctccc agcagtccaa cctggtgctg tacggcagga tccagtgcaa gggcaagtgc 300
 accgagcaga agggcatcac ggcgccggcc atgaaggtct gccaaagga gtgcgacaag 360
 gcgtacgtgg tg 372

<210> 23876
 <211> 306
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B10

<400> 23876
 gaaaatagtg ggatcgagtt gtttcaactgc acgagcacat cctccggcga ccgccggcct 60
 ggggtctccgt cctctagcga ccgaccaacg cgccgagcga agatgtcgtg gcagacgtac 120
 gtggactagc acctgatgtg cgagatcgag ggccaccacc taacgtcggc ggtcatcgtc 180
 ggccacgacg gcgcaacttg ggctaaaagc accgggttcc ccgagtccaa ccccgaggag 240

atggctgcc a taatgaagga tttcaacaag cgggggcacc tggccctgac cggcctgac 300
ctggga 306

<210> 23877
<211> 352
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B11

<400> 23877

tctttctcac aatcttacga tctcgagttt tcagactctt ggctcatact acttctaagt 60
gacatttgcc tatgttacia gtatctactg atgtattatc ttatctaaca tttacagaaa 120
gatctacata tactattacc tgatcttcta aacctatgca aaactactct tatccacatt 180
cataataaca aactattgat acacctccat tcaaagcacc acctcaactt aaatcaactc 240
atcatctaca agatcaattt taaagcattc aaactagacg ttcaacatat ctctctcctt 300
atttttaatg attactactc aaatcttgat gatgtattat acattttaaa tt 352

<210> 23878
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B12

<400> 23878

cactcacccc gccttcacgc cgtccttacc aaataaaggc cgggcctttt cggacattca 60
caggggggggc cggaaatcaa cggccattgc ctogattccc gcgaccacct tcgccgcat 120
cttatccgtc ctcttctgtg ccgcggttg caccggcgtc gacaaccaac ttcccgacta 180
cctcatacaa ggccgctct actgcgacac ctgcgcgcc gggttcgtga ccaatgtcac 240
cgagtacata tcgggcgcca caatgaggct ctagtgcaag cacttttgca ccggcaaact 300
ctagcgcttc attcaacggg tgaccgacac c 331

<210> 23879
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B2

<400> 23879

tcgaataaga tggcgtgtat agacaatgca atgagagcct tgttcctttt agcgctcttc 60
tgtgtcgtgc atggtgagaa ggcaaagtca aaggacaacg atgcaaaagc gttcggggccc 120
ggtgggtcct tcgacatcac caagttgggc gcctccggca atggcaagac ggatagcacg 180
aaggctgtgc aggaggcgtg ggcacacagc tgcggctgca ccggtaaagc gacgatcctc 240
atccccaaagg gcgacttact cgtcggacca ctcaacttca caggcccatg catgggctac 300
gtgaccatcc aggtgaatgg caatctgctg gcgaccacgg acctaagcca gtacaaggat 360
catggtaatt ggatcgagat tctacgcgtg gacaaccttg tcatcaccgg caagggaaaa 420
gc 422

<210> 23880

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B3

<400> 23880

ggaagatgcg catgatgcct tcttgccctc ctcattctcg ctgcggccca ttccaccttc 60
gacgaccccg gtctgcttgt ccttcctcaa tcacctgcag cgaaaaggaa aagggtgtca 120
gaccgcaact aagagctatt tagcaataat acatacatag ctataccctc tttagggtcaa 180
gagggtggag ttctccttat tcggaggaag agctccatcc tcattctaca agaccaaacc 240
aataaatggc ctctagccca cagtccctgc catcatactc caagaagtcg ccgccaccac 300
aagaagcatc agctttggcg ccaaaatcat cttcaaagtc accctcgcca ccaaagggtg 360
aatcaaattc atcgtccagt ccccatcg 389

<210> 23881

<211> 379

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B4

<400> 23881

atttaagaaa tttgccgctt gatgtgtgga tccgccgtgg ctgccgtcag gcatagactc 60
 ggggaaccgg acctcggtgg tggatcatcg gggtcgcgga ggtctactgg atgggggtcta 120
 gaagtatccg ggcaagtcgt ctctgggaac cctgcttatt gctcgccgat atgttttcag 180
 gcgtcgcgat gcagctgagt gccatggctg ggtctcattg cctgtttcaa tagagggtgag 240
 gccactagga tctgaagaat caccctggta actggaatct caagtgccag gtgtgacagc 300
 cgacgtcgac ccgagacttc aacgtcttcc cgtcgtcttc catgtgtctc cgggttcgca 360
 ctcatggaga agaataagg 379

<210> 23882

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B5

<400> 23882

catgtgacga cctctcctcc tcgtgtcttc tctgtatctg caactgcaag caaggaaatt 60
 ggttaaaaga agatcggcgc catggcggca acgacgacga ctgggatgca gatgatgcag 120
 gtgcagcagg cggcggcggt gctgctgtgc ttggttgtgt tggcggcgtc tacgcgggtc 180
 gcgctgggca actgccgca cgactgcatg gctgcatgca acggctggac catcgtctgc 240
 cagctctcct gtgccagcgc atgctacgga gaagtcggga tcacaacctt aggtacgtcg 300
 gctgtattag cgaaagcaga agcgcttgca tcagcaccac atgcagcaca ag 352

<210> 23883

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B6

<400> 23883

tcgcggaactc gtgggctgca gtgtatacag gagataagcg gccatctagc agagttgcga 60
 agagggtgtga ctgcctaagg aaaatggttt tgccccgagt ccacactgtt aggtcatcgt 120
 gaggtcttct catgcagcag actaacgagg gtgcttccag tgagtgccca caatcccatc 180
 tatctgaaga tggatgccgt tgcaggaaat acccatgctc ttcacttctg atcggggtca 240

acagcagacc aaaattttcc atctcttgca cttgagttcc tcatcgacat ttgcagacta 300
ctgaagcaga tggaactcta aaagaagtgc tgaaagagac gaaccatctc ttgtatgtga 360
tatgggtggtt gttgagaaag taggagcaag cctgtaactg tagatgtaac caaccttgat 420
ggttcctgcc caagagttaa attgtacatg atata 455

<210> 23884
<211> 353
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-B7
<400> 23884

tccggatccc cccacacctt gagacctgcg ttgtcaccca cccatcaagg ttggggccgc 60
caggggagtt cagccgttcc tgttcctgat aaaacgagag aaggatggca gtgtctcagg 120
gagctgtcct attcttgttt ctctcctcgc tcgcagcata tgtgggaacc atcgatgcc 180
aaatgggagt agccatgccc atgcatgcct tgataatgga gaaagcgaaa catcaggaga 240
aggagaagaa ggaggagaaa agcacggaga atgaagagag tcaatgctta tcgccagatc 300
ttcagttcga gggcttctgc ttcaacagcg acagatgcgc cgaggtgtgc atg 353

<210> 23885
<211> 459
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-015-Q1-K1-B8
<400> 23885

cattccatgt cctccgtatc aacaagatgc tttcgtgtgc cggggctgat aggctccaga 60
gtggaatgag gggtgccctt ggcaagcctc agggcacctg tgctaggggtg gacattgggtc 120
aggctcctct ttcctgctga tgcaaggaca acaatgctgc ccatgccagc gaagctctgc 180
gtcgcgctaa gttcaagtgc cctggccgcc aaaagatcat tgagagcaga aagtggggct 240
tcaccaagtt cagccgcgtg gactacctga agtacaagag cgagggtaga attgttcctg 300
atgggtgtcaa cgcatactg ctccgcaacc acggcagact tgagaagcgt gtcctgggga 360
aggctttcct tgatgccgtt gcttaagtgc tgatgcgaat nctgacgttt tgcttttagcg 420

tatcttaact tgtttcgtgg aacatgaatt tcaagtgtt

459

<210> 23886

<211> 458

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-015-Q1-K1-B9

<400> 23886

gttctagatc gcgagcgctt cctgcaggaa aaggagcgaa gagagagaga gagagagaga 60

cgcaggcccc cggcgacga tcgaggagg aggaaccaga gacccggcgg cggcgacgat 120

ggctccgcgc agctcatcgg cggcgacgtg cctgtgcctc gctctcgccg cggccactct 180

ggcgctggcc cacggtgcgc aaggaggagg accatcggca tcggcggcgg acctggacaa 240

ggtcacggcc gagaccttct tcgacatcga gatcgacggc aagcctgcag gccggatcgt 300

gctgggactg tttggggaca ccgttcctaa aactgcagag aacttccgag cactttgcac 360

aggggagaaa ggaattgcc agtccggcaa gcctctgtgg tacaaggngt cgacgttcca 420

caggatcatc ccgggggttca tgatccatgg aggcgact 458

<210> 23887

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C1

<400> 23887

acgcacaatt tgtcgccgga gttggagcaa actcgcgaca ccggggaaca ccgtgggcag 60

catggatddd tggacagtcg tagacgagca agcaaccgag gaccccgata ctcatcaggt 120

ggataatact gagcaggagc tcgttgaagc cccccattc ccataccctc ttggacgatc 180

ccatacgatc taacttctttc tcaagcactt gcagccacac atcataccct agccccccca 240

tctactgtc ccaaggtgcc attcgttgcc gctcggatct ctgtcgcgtg gtgcaaactc 300

tcaacggttt ccggtggagg gaggaagga ggaaaggagg aagaaaaggg ggagaacca 360

aagtggggga cttccggatc gtacttaggg atttgccga acttcccga aaggtacttg 420

atacatgttg ggaatg

436

<210> 23888
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C10

<400> 23888

gtggattttc cgcaatgacg gccacgccgg taactacatt atggtacaca atgaaacccc 60
gtgctttttc gcgggattac attagaaatc agatagaaat gtatagttat tgttaccttt 120
ttggaaatac atggaggaag gaaactgttc aagggtgaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaagggggg gcccttttaa agggatcaaa gtttatttcc ccttccttcc 300
aacataaaac cttttttata ggtcccgaa attaaattca agggcccttg ttttaaaaaa 360
ttagagattg gaaaaacctt ggttttccca atttt 395

<210> 23889
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C11

<400> 23889

cccacgcgtc cgcccacgcg tccgcacaca gtctcgggcg ggccctctcg aggccgccgt 60
ggaaggaccc ccagcgatgg gctccggcga ggaggacaca ggaggcggag gaggggcggt 120
gcggtgcgcy gtgctgaagg cgctcgtggt tgtcggtcgc gtactgccgc tccgtagact 180
gcgccggtgt actacgcgga acgacctcgc actagccgac accgactcga tcgataaaga 240
gcggtgatcc ttggaacata cacactcaca tgccagatcg tttgtggact ctagaatgct 300
tgcacggata tgaacattga gcgtgcatga tgtaagtatt gcacgctcct tgtaagct 358

<210> 23890
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C12

<400> 23890

cccacgcgtc cgactagttc tagatcgcca tctagaaccg cagatcacgc tggagaacgt 60
gcagaacgtg atcctgcaca acctgcacat ccacgactcc aaggcgact cgggcggcat 120
gatccgcgac tcgaagcggc actacgggct gcgcacgcgg agcgacggcg acggcgtctc 180
cgtgctgtcg tccagcaacg tgtggatcga ccacgtgtcc atgtccagct gctccgacgg 240
gctgatcgac gtggtgaacg ggtcgacggc catcaccgtg tccaacagcc acttcaccga 300
ccacgaccac gtgatgtgt tggcgccag caacgacagc ccgcaagacg cggatgatgca 360
agtcacggtg gcgttcaacc acttcggccg cgggctggtg catcgatgc 410

<210> 23891

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C2

<400> 23891

aaacgctact gattcataaa taaaatcgac ccagcatgta cacactcaca gcttcaggct 60
gggtccaagca aaaactgcat tcatgttttt gcttgtacac tgcaccgtac tcatattggt 120
tttagcagta agagcgtgct tatgggtgca aaatgtcata gtgaaagatg ttttattgca 180
ttgcatttag ttaataacat gtcattcaaa gttttgtggt aaaatttctt ctgacctgga 240
tatggcgcg gaaatttgaa cggtcctatg ggagaattat accagaaaag agaagggtat 300
gcgttactag tagcttcccc caaactgctg gcgctatgat caaaatgtgc tttcccaatt 360
tagccactgc atgttgcttc ataatttcta gtttttcgat atctgacaat gccctgaccg 420
ccgcggaatg tcacgccaac ggacaccgac a 451

<210> 23892

<211> 315

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B1

<400> 23892

gatcgagaac gtcgagaacc tgttcatcaa cggccactgc accatcgact gggaggggagc 60
cctgggtgtgg agcaagaacc agtgccagca ttcttacaat tgcaagatcc tcccgaatag 120
ctcgggtgctg gatttttgtga cgaacgtcca gatccgcggc atcacgctgc tcaacatcaa 180
gttcttttcac ctcaacatct tcgagtgcaa gaacgtgctg atcgacaaag tgacgggtcaa 240
ggcccccggc gacagcccca acacggacgg catccacatc ggcgactcca gcaacgtgac 300
catcagcagc accac 315

<210> 23893
<211> 480
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-014-Q1-K1-H6

<400> 23893
ccgcggacgc gtgggcgcgc ctaggggcgg aaggccgcgc tgccggttct tgccaggtgc 60
agcagccggc cagtgcgcgc ggttgcgttg catttgcatt gctgcgcgct gcgctctggg 120
agcttgcaact agcgggtctg cggcctatgc gcggggcac ttacgagtgc gtgcgtgtct 180
gttcaagctc tgatcgtctc tccggcccat tcgcggagg aaactgaccg acgtcttctc 240
gctctcgtc tctaccctat tcccggggct gaaaggggag gagagaaggc cacgtccaca 300
ccataaagca ggacggtaca gacacgtgta cgagggggat cacggtcggc tgaagcgact 360
aagctggcgg acggaacgac gacgatggcg aggagcggcg gcgggatgga aggcagctgc 420
gggctgaaga acgggccgtg gacgcaggcg gaggacaagc tgctgaggga ccacgtgcgg 480

<210> 23894
<211> 459
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-H7

<400> 23894
agcagaacat cgcgaccgc cagggccgcg cggacgcgcg cgaggccacg gggttcgtgc 60
tgcagaagtg cgagttccag gccgaggccg cgctccggga ctccgggcgc ccgcccattc 120
gcaactacct gggccggcgc tggcgcgagt gctcgcgcac catcgtcatg gagtcggagc 180

tcccggactt catcgacaag gcgggggtact tgccctggaa cggcgacttt gggctcaaga 240
 cgttgtggta cgccgagttc ggcaacacag ggcccggcgc caacacggcg gggcgcgta 300
 gnctggggcg gggttcaaga aggtgatcag caaggcggac gccaccaagt tcacggtcga 360
 gaacttctcg cagccccagc catggatcga tcccacaagc acgccgtga agtacgacct 420
 gttcacatga ggacacagct ggaccgggga tcggatcgg 459

<210> 23895
 <211> 481
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-H8

<400> 23895
 cccacgcgtc cggagatcgt gaaagagaca gaaaccggga tagggataga gaccgccacc 60
 ggctgcgaga tgatgattac aatcgcaaca gggataggga caggagagg gatggtaggg 120
 aaagggagcg ccgagacaga gaccgtggca ggcacaggag ccgctcaagg agcagagatc 180
 gacgggacag agaccgtgaa gatggagagt accgcaggag gcgtggtcgt ggcagtgtga 240
 gtcctcgtgg acgtgggtgag gatggtaggg caagagagga accgaagagg aagaaggaaa 300
 agaaagagaa gggttgaagg aaatgctccg gaccgaatg accctgagat catagaaatg 360
 aacaagctac gggcctcact ggggttgaaa ccaactcaagt agtttacacg agtaatgttc 420
 aacttgacct gcaccaacc tttnttgtgc tggacttttt cagcttgatg taactaaact 480
 t 481

<210> 23896
 <211> 465
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-014-Q1-K1-H9

<400> 23896
 cccacgcgtc cgaattagcc tcttatgaca aataatattt tgagagagct catctggacc 60
 aagtgccagc gagctaatat ttaatttttt tctttgggta tattgaggca ccacacgagc 120

caagaaaaaa gttatgctac atgtcccttc ttgcgcctta ttgcgttagg ttgatatgca 180
tgattacata gattaaata cactttttatt caagattttt tggggagaaa tatattgatc 240
tggtccacct tcattatcca gccaaagtcct cttccctcgc ctgcggttag tagcctgctt 300
ccgacccgca catctccctc cggttctcgc catgggcgcc ggcgccaaca tccacgagga 360
gtcgagcccc ctcatcccag ctgcggtcgc cgccccgcg tacgagaagc ccccgaggc 420
tccggcgccg gatgccgcca attactatgc cgacgggggc ccggt 465

<210> 23897

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-A1

<400> 23897

tcgcccacgc gttcgcccgc tcgttgagc gatcaaacgc tcatcatggc tgggaatgtg 60
agacacgatg taggcgtcaa tgcgatctca ggctagaacg gctgtaactc tcgggagatc 120
ggcgagcagg caatgatgca ggcctaccta agggcctgcc agatcgaaca tctcggctat 180
ctattgcaag gactgtctgt acgatcaatc gacacgggat gacatatcga ctggtgtggc 240
tccttacaat cacactcggg gctgcttgta cactgacgtg tacacgacca ccttcaatag 300
catgggcaca tgctgcatct taccaacctt cgaggattgt cagtgttgta ggtgccgctt 360
atagatcatg tgccatcagc ctgtaaagtg c 391

<210> 23898

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-A10

<400> 23898

atcccgccac actgcttcga gcgctcgggt ctcaagtcc tctcgtacgt gggccacgac 60
ctggtgatcg ccggggcgct cctctacttc gcgctggcca tcataccggc gctcccaagc 120
ccgctccgct acgcccctg gccgctgtac tggatcgcg aggggtgcgt gtgcaccggc 180
gtgtgggtca tcgcgcacga gtgcggccac cagccttct cggactactc gctcctggac 240

gacgtggtcg gcctggtgct gcactcgctc ctcattggtgc cctacttctc gtggaagtac 300
agccaccggc gccaccactc caacacgggg tgcttgagc gcgaccaggt gttcgtgccc 360
aagatgaagg aggcgctgcc gtggtacacc ccgtacgtgt acaacaaccc ggtcgggcgg 420
gtggtgcaca 430

<210> 23899
<211> 460
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-A11
<400> 23899

actgcctccg catgcggcaa gatcctccct cattcccaa acatgagagg agcagaggag 60
gagagatctg gcgccgccac tgatgcggga ggagaggagg agaaacggga gaggagcgtc 120
ggcctgatgg ccggcctcat ggacaaggcc aagggtctcg tggaggagaa ggtgacgcaa 180
atccccaagc ccgaggctgc gctggatcac gtctccttcc agagcatcag ccgcgagggc 240
gtcgagctgc atagccacgt cgacatcagc aacctact cgaccgcat cctcatctgc 300
gagatcacct acacgttcaa gagcgccggc aaggatgatag cgtcgggcac gatgcccgcac 360
cccggtgga tcgcggcgag cggcagcacc aagctagacc tgcccgtgaa ggtgccgtac 420
gacttcatcg tgctgctgat gaaggatctc ggaggggact 460

<210> 23900
<211> 408
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-A12
<400> 23900

cggacgcgtg ggcgggcgcg gcgcgcaggt gcacatcgcc aacggcgccg ggatcacggt 60
gcagctggcg caaaacgtca tcatccaaa cctgcacgtg cagcagctca agcacaccat 120
ggcgggcctc atgcgcgact cccacgca catcggtcc cgaccaggg ccgacggcga 180
cggcatctcc ctcttctccg ccaccaacgt ctggatcgac cacatctcca tgtccaactg 240
cgaggacggc ctcacgacg tcgtgcagag ctccacgggg atcaccatct ccaactgcc 300

cttcaccaac cacaacgacg tcatgctctt cggcgccagc gactcctggc cgcaggacca 360
gatcatgcag atcacgctcg ccttcaacca cttcggcagg ggcttggt 408

<210> 23901
<211> 443
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-A2
<400> 23901

ctcgccgagt acttcaacgc cagcgacggc gtgttcaagt acaacctcat cggggacgtg 60
ccgccctcga acacggcccc caccaagatg gcacccaacg tcatcagcgc cgagttccgc 120
acgttcatcg aggtggtctt cgagaacccc gagaagagca tcgacaccat ccacatcgac 180
ggctacgcct tcttcgccgt cggcatgggg cccggcaaat ggacggcagc gtcgcgaggt 240
acgtacaacc tcttgacac ggtgagccgg cacacgatcc aggtgtaccc aaggtcgtgg 300
acggcggtga tgatgacgtt cgacaacgcg ggcattgtga gcgtccgctc caacatctgg 360
gagaggcagt acctcggcga gcaactgtac gtgagcgtca tctcgccgga agcgtcgctc 420
agggacgagt acaacatgcc cga 443

<210> 23902
<211> 445
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-A3
<400> 23902

tcgcccacgc gttcggaact gtccgctgtc gtgactgacg ttggggaggt cggcctcatt 60
cttgatgggg cgcagacctg ggcgtcgcgc agccgcctct cccacgtggc gacgttgcgt 120
gagcagtgct ggagacgaca tcaggagtgc ggaaggtgga ggggaatcaa cactgcatt 180
ggtgtagatt ggcgggcaac ctgtccgggc tgccatcgtc ggacggcgac caaatctagg 240
cagcgcggtt gttggtggcc tccaacgagg cctctactcg actgacgtgg tggacgcgac 300
agccatcgat cgcaaggtgg agataatggt gttctcgagg atcctcgcgt tgcgcagtac 360
acatagggtca tctaactctg ggacacgcgg accgttcgag cccaagggcc ggaccgtccg 420

cttattatgg tgtccaacac acccg

445

<210> 23903

<211> 391

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-015-Q1-K1-A5

<400> 23903

tcgcggactc gtgggttcac taatccaaga caaaacatgg ctgtgaatgt gagaaccatg 60

tggtcgtcga tgcggtcaca ggttgcatg gttgtggcgt tgggtgttctt ggtgagcggc 120

gcatgggtgcg gtcctcccaa agtcccccca ggcaagaaca tcacggccac ctatggcaag 180

gactggctgg acgctaaagc gacatggtat ggcaagccga ctgggtgccgg tcccgcacgat 240

aacgggtggcg gctgcgggta caaggacgtg aacaagcccc ctttcaatag catgggcgca 300

tgcggcaaca tccccatctt caaggatggt ctgngttgtg ggtcctgctt tgagatcaag 360

tgcgataagc ctgtggagtg ctccggcaag c 391

<210> 23904

<211> 437

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-015-Q1-K1-A6

<400> 23904

cctcgccatc cgggccgtcg tcgtgagtgc gagtgcctcc atctggcggtt gcgcgcgcat 60

ggtcgcgact gctcagtcgg cagggcactt gtgcgcgcaa gcgcgcatg tccgcgccac 120

cggcttccgc tgttcaggct ccacggtcga gccccctact gtaactcacg ctccatgtct 180

cgccgctcgtc tcgccgcggc agcgccctcat cgacctcgcc cctgtgaccg tgtcgtcgtc 240

ctgagattgc gatccgtttc cgagcttcga ggaatcaaag atcgagcggtt ggcaaccaag 300

agatcaagct ttttgaggtc tacaacattg aacaccctga gcattctgtt ggtgaagggt 360

gcctttggtg taatctatgc tcangtcaag aagaagtcgt cgaggcggat ctncaagaat 420

tctaagactt cgacgag 437

<210> 23905
 <211> 321
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-A7

<400> 23905

catggatatg atgggtcaggg gcctgaacat tctagtgtcaa gattggaacg ctttcttcag 60
 atgagtgatg acaaccctta tggtataccc gagatggatc caacactgcg gaagcaaadc 120
 cagcagtgtca attggcaggt cggtaatgtg acaactcctg caaattatct ccatgtttctg 180
 cgctgccaga tacaccggga cttcaggaag ccttttgattg tgatgtcccc aaagaacctc 240
 cttcgccaca aggactgtca gtcgaacctg tctgaatttg atgatcttgc gggccaccct 300
 ggattcgaca aacaggggac a 321

<210> 23906
 <211> 460
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-015-Q1-K1-A8

<400> 23906

agggcctcct gtctcctctc acttcctcag tcctcgctcg tctctgtctc ctcctctctc 60
 ggcttagcta gctagccagc cttcctgtag cgcggcagag atggctgccc ctgcatccac 120
 cacggcggcg gcggcggcg cgctgtgtgt tctgtctgtg tcgctcgccg cggcggcgga 180
 catgtcgatc gtgtcctacg gggagcgcag cgacgaggag gcgcggcgga tgtacgcgga 240
 gtggatggcg gcgcacggcc ggacctacaa cgccgtcggc gaggaggagc ggcggtacca 300
 ggtgttcggg gacaacctcc gctacatcga cgcgcacaac gccgccgtcg acgcgggcgt 360
 gcactccttc cgnctcggcc tcaaccgctt cgccgacctc accaacgacg agtaccgcgc 420
 cacctacctc ggcgccagta ccaggccgca gaggagagg 460

<210> 23907
 <211> 451
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-H4

<400> 23907

gcgttcggcc gacatcttct acaccaaccg gagtgggctg acgaacatcg agtatcgcac 60
gcttggagtg gacgaccagc ctctcttcca tgggagaact gccattcagc tgtatgctga 120
ttacatgaag agcttcaggg agaacatggc agacttcttg gatgctggtg tcgttgtgga 180
cattgaggtg ggacttggcc ctgctggcga gatgaggtac ccatcgtatc cccagagtca 240
gggatgggtg ttcccaggcg ttggagaatt catatgctat gataagtacc tgcaagcaga 300
cttcaaagca gcagncagaa gaggctgggc atnctgagtg ggattgcctg atgatgctgn 360
gacgtacaat gacactcctg agaagacca gttctttgcg gataaacgga cataccagac 420
cgacaagggg aagttcttcc tcacatggta c 451

<210> 23908
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G10

<400> 23908

gcgcccacgc gtccgcacac gcgtgcgcac acgcgtgcga ccacgcgtcc gaccactcgt 60
gcgggaacaa caagactgac agcgacgatg atgccacagc tgcgtaccac tggtagctg 120
gtcctcgtgg ccacggccat agccgccgct cccggagttg ggtttgtcgt gaccggccgg 180
atatactgcg acaactgccg cgccgggttc gagacaaacg tgtgcgacgc catacaatgc 240
gcgacagtgg atacgtactg ccgccacttg gagtcgcagc atgtccacca caaagcggag 300
gcaacgaccg cccctgctg ctgctacagg atggagatca gcggcaacca ccaatacgag 360
atctgcgacg tgcg 374

<210> 23909
<211> 463
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G11

<400> 23909

cccacgcgtc cgggaggttc taccacgtgg aatcgctctt taatggaact ttcgcttttag 60

ctggtcgtga ccaagaaacc accggctttg cttgggtgggc tgggaatgcc agacttatca 120

atgtgtccgg taaactactt ggagctcatg tagcccatgc cggattaatc gtattctggg 180

ccggagcaat gaacctatct gaagtggccc atttcgtacc agaaaagccc atgtatgaac 240

aagggttgat ttacttccg cacttagcta ctctaggttg gggagtaagg ccgggggggag 300

aagttctaga tacttttccct tactttgtat ccagagtact tcacttaatt tcctgcgcag 360

tcttaggctt ctgtggcatt tatcacgcgc ttatgggacc cgagactctc gaagaatctt 420

ttgcattctt tggttatgta tgggaagata gaaataaaat gac 463

<210> 23910

<211> 338

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G12

<400> 23910

cccactcgtc cgaggcatgg tacgtaagaa gttctctcca cacttgcact ctcgcttttag 60

gggacattga gactgacacc accgacattc ctacgcgtcc tgggattgcc atcacttatc 120

attttgtcca cttaaatact cggatctcat gtagctcatg ccgcattaac cgcattctta 180

tactgagaaa tctacctatc cgaagtcgcc actttcgtac caaaaagct catttatgca 240

caagggtgta ttgcactccc tcacttagat actctagtgt gcacagtaac gccgatgaga 300

caactcctac atactgatcc ttacttagta ttatcagt 338

<210> 23911

<211> 192

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G2

<400> 23911

gcgcccacgc gtccggaggg tcgtcgctgt cgctgctctg ttctgtggct cgtgatatcc 60

gcgggaacag tgctagttgc cgccgcggcc ggcgccaagc ggcaggcgcc ggtgatgttc 120

gtgttcggcg actcgacgct ggacgtcggg aacaacaact tcctgtcggg ggcggccgctc 180
cccagggcca ac 192

<210> 23912
<211> 440
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-G3

<400> 23912

gatcttccga agaaggaaga gaccatcacc ctaaggccgc tgagcatggc agatctgaag 60
gagagcaaag aaccaggtgg atccatgcct taccaagtgc aatttgaaac gatgcggatg 120
cagattaaca cttttcaact tgaaaaataa actaatggca gttcgaatgt tataataccc 180
tgtaaactct caaattcagg tggctgcaag tttcgcttcc gaaggtgtct gcatgagcga 240
gctgaggcaa tggaacgagt tgtatggtga aggaggctcc agaaagaagg aacaattaac 300
atancttcct tctgagcaat atgaaaatct atggaccatc acacgcaaaa atgtatgggc 360
attttgaaaa gtatagtgc caaaatagtc atgaggaaat aggccgaaca tgtatgagaa 420
ctttgggaaa cgcgggagtg 440

<210> 23913
<211> 417
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-G4

<400> 23913

gcgattttta atttcttggg tcggtttttg atcacctgtt cttccttatg accttatcca 60
ggagggttaga tgatcagggt cattttgtgt gaggatccag acgcaggagg atggctctca 120
agaagttgct gcagctcttt tgtgtcggaa agaaggattc caagaagaaa ggtaaaccaca 180
tcgatccact ctggcaagcc tctgcctccc gctcctctgt gaatgtcact gcaaacaaga 240
ctcatttgga tccctgttca agtggggaatg aactgtgaag cgtgcaaaac catgaagttg 300
aatcctcaag tacgggtttt cctcgtgggc aaggacagag catggaactg agattactca 360

tcatacgccc tttagtcana ttcgatgtgt ccaagaattc tcggatcacc actatgc 417

<210> 23914

<211> 357

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-G5

<400> 23914

gcgtccaccc acgcgtncac ccacgcgtcc ggattcatgc aaagaaaaca acgatccgtg 60

tccagtanac agggagatgg gtgacataga ataatgcatg aagaattgcc aaaatcaaaa 120

accacatgct tcttcattag ataataaatt cagagaagaa attatcacag tattagagga 180

aagcttggac ttatgggtga gggttcagtac atcatatcat tatatccata aattccaaaa 240

gacatttcat aaagcaaaac ctgaactaca tagacttact gatgcaaaaa ttcattgatgg 300

ctttatgaca ctggttctgc tagtcagtct gttaaaaaca aaactcggct ttccttt 357

<210> 23915

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G6

<400> 23915

cccacgcgtc cgcccacgcg tccggatttt acggaggctt ttgatgctgc atgctgcctt 60

cgtacactct tttcaaccac cttcgaccaa ggatgggcat caggaatatc agcagctgca 120

gtacaaggcc ttttagagtt gttggtagaa ggtggtgcaa accatgtgaa ccaatgcttt 180

cttgaaacct gacgctattg caacactgaa cttgtgccga tcttaactca aggtgggttaa 240

aggaaccact tggaccatgg atgtgaacca acccttggct tttgccgaac actatggaag 300

gatcgaaccc aatggaatgc tgggttgaag aaggtaatgc tatggccttt ctggggccctt 360

ggatccttgc tgttaaactg ggttgcttcc aagttgtgga atggt 405

<210> 23916

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G7

<400> 23916

ctggctgact tgtacttgtc agttagccgg gccagcggaa caatgaatct agttgaagac 60
tggccaccac gtggacgcac tacaaaacat aaagttcaaa cagtatatgg tgtgatagga 120
gttctcaaac ttgcagttgg atcatatttt gtggtgatca cggatcgtga ttgtgtggga 180
tcctactttg gacacgcaat ttttaaagtg acaggactaa aagttcttcc ctgcaatagt 240
gcacataaca ccacctttgc tgagcagaaa aaaatggaaa cagaattctt agaactcctg 300
tgaatgcttc aaagaggact attggccttc acttttccta cgatatcaac ctaacacttt 360
ctgcacagag gctacatgat ct 382

<210> 23917

<211> 480

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G8

<400> 23917

gcgttgtcac ccacccatca aggttggggc cgccagcaga gttcagccgt tcctgttcct 60
gataaaacga gagaaggatg gcagtgtctc agggagctgt cctattcttg tttctcctcc 120
tcgtcgcagc agaggtggga accatcgatg ccaaaatggg agtagccatg cccatgcatg 180
ccttgataat ggagaaagcg aaacagcagg agaaggagaa gaaggaggag aaaagcacgg 240
agaaggaaga gagtcaatgc ttatcgccga gtctccagtt cgagggcttc tgcttcaaca 300
gcgacagatg cccgccgagg tgtgcatgaa ggagagcttt cccggtggcg agtgcaagcg 360
ggacgtggcc atgcgcaagt gcttctgcaa gaagccttgc tagttcatcg gtcttgctaa 420
ttgttgatgg gtgcttcatt aatttgatgt gatgggtctc atggctacga gaaacaaaac 480

<210> 23918

<211> 306

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-H1

<400> 23918

gcgcgcgcgc cat cgacaccttc agctcgtgtg tccgttcgag ctggcggttt cctcgccaag 60
aactggcgcg cgggtcgggg gattgaggaa gagagtgtct gcngctgctg ctgctacgac 120
tactgatttt tctggcccga gattcctggt caaggcaata tgaagtacgt ccttgtcacc 180
ggcgggggtgg tgagcggcct gggcaagggc gtcacggcca gcagcatcgg cgtcgtcctc 240
aaggcgtgcg gcttccgcgc tacgtccatt aagatcgatc cttaccttaa caccgatgct 300
gggact 306

<210> 23919

<211> 321

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-H10

<400> 23919

gcgcccacgc gtccgaatta tcctcttatg acacataata tcactagaga tctcatctgt 60
accgggtcct agcgacctaa tattttaaag cttcgtgaga ttataatgag gcaccagacg 120
atccaagaaa aaagttatac tacatatacc ttctagcaca ttattgaatt acgctcatat 180
gcatgattac atacattaaa atacactttt attcaagaca ttttggagaa aaatatatgc 240
atatggttgc tcattattat agatccatgt cccctctaag agcctagcgt tactatcctg 300
cttccaaaac tcacatctgc c 321

<210> 23920

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-H12

<400> 23920

ctctttgctg gcatcatagc acttgtgatg agcatcgcaa cgatgggtccg tctgacccgc 60
ggcatgatgc ctgggaaggt tctcgggtgct gccataggtg gagctaccct ctcagaaggt 120
aaatcaaaaag tacaagatcg ccagctgtcc aagctatcag aagaggctgt ggaggaagct 180
gaagacgccg tctctgcaaa gcgcctctcg gagcttgagg agaaggatcat tgcactcctg 240

acaaaacccg catcaatgcc tgctgataag gaggaagttc tgcatgctgc tgtctgccgc 300
 gttagtgcac tggaagagga gcttgcagct acaaagaaga ccttgcagga gactcttgag 360
 cgtcagttgg agatcgttgc atacattgag aagaagaaag aaagcaagcg tttctttcgt 420
 tggtagaa 428

<210> 23921
 <211> 478
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-H2
 <400> 23921

actctggaag cgtactgcga tgaaacaggg acagggctgg agatcattgt cccgaagttt 60
 cgcgttggcc ctgaagaaca cgaagtgcac gtgtccatga ggccaccctc gtcttggtgc 120
 caatgaaacc tgtttccaag cttgcggggg gagacacgca tacggtgtgg aggtttgccg 180
 taaggctaag gctactgcac aacaaatgca gctcagtttt gctaattttg atgggaaacc 240
 agtcgttaat tgattgaagc attctggtag ttggccgccg cagcgtttgg aacatttttag 300
 gaaatatgct acccggtcgc aaggaacatg cttgcattac ttagttcttg tatggngata 360
 cacctagtgt gttacatttc gtttccgttg tgtcgaaaga ctggttgtct gtcgatgtg 420
 ccccgacacg agcaacaatc tgtttgtggg gtacacagaa tggcaacttg atgtatag 478

<210> 23922
 <211> 341
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-014-Q1-K1-H3
 <400> 23922

gctctgatt gcctgctcgc tgcgcgctac tgctgccacg ctcggcagcg gcaggtgcag 60
 gaggagacga cggtcgacac cggcgccctg caccggcgga tgtcagatcg gcagctccgc 120
 ccggtgcgct gcatcagaat cacaggggac ggtcgatgcc tgttcaagtg cgtcgactac 180
 ggctcctgac tgaggatagg caagcatgcg cccagcgact gcgcccagaa cgaactggac 240
 gacgagctcc gagccaaatg agctgctgag tacgttaagc gaacatgaga cagccgaatg 300

gtaccttgaa aggcagctgt gagagttatg tgagacacat g 341

<210> 23923
<211> 393
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G1

<400> 23923

cccacgcgtc cgcccacgcg tccgcccacg cgtccggaat catccaaaga aaacaacgat 60
ccgggtcgag aagacagaga gattggtgag atagaagaat gcatgaagaa ttgccaaaat 120
gaagaaccac atgcttcttc attagagaag aaattcagag aagaaattag caaagtatta 180
gaggaaagct tggacttctg gttgagggtc agtacatcat atcattatat ccagaaattc 240
caaaagacat ttgataaagc aaaacctgag ctggatagac ttactgatgc aaaagttcag 300
gagggcctaa aacactgggt ctgctgggtc gtctgttaaa aacaagactc ggctgtcctt 360
gaaaagaact tcgtgacttg agtactgatac tac 393

<210> 23924
<211> 469
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E6

<400> 23924

gtcagaaaat agtgggatcg agttgtttca ctgcacgagc acatcctccg ggcacgaccg 60
ggctccctct ccgtcgtcta ggcaccgacc aacgcgccga gcgaagatgt cgtggcagac 120
gtacgtggac gagcacctga tgtgcgagat cgagggccac cacctcacgt cggcggccat 180
cgtcggccac gacggcgcca cctgggctca gagcaccgcg ttccccgagt tcaagcccga 240
ggagatggct gccatcatga aggatttcca cgagccgggg cacctcgccc cgaccggcct 300
gatcctgggg aggcaccaag tacatggtca tccaaggcga acctggagct gtcacccgtg 360
gcaagaaggg atccgggggc atcactgtga agaaaacagg gcagtcactc atcattggca 420
tctacgacga gcccatgact cccgggcagt gcaacctggt ggaaaggct 469

<210> 23925
 <211> 355
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-E7

 <400> 23925

 atcgtcacac tggtagagctc tgcattctgc attctgctta gctccgagct tcagtgcctt 60
 cgttgctagc tgtagctcc acagttcaca gttccacaca cacattcagc tgcactgtaa 120
 caatggccta cttcatgggtt cacgtattga ctgatgctcc cgactaggaa gctgctgctg 180
 atgttgagc gggtgtacac cctccgcaac tgtaagatct ctatatcaga gctgacgaaa 240
 gcgctactga cgctgtggc cacctctgcc gactaggtgc agcgcatgat tgcctagatc 300
 ctacaccgac tgctactgct gcacgactt caacgagttc atcaccttct tcaac 355

<210> 23926
 <211> 448
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-E8

 <400> 23926

 gcgtcggttct ctcttcctgg tccaagtgat cttgccaagt tacgagcagc gagcagagat 60
 cggatcatcc atcggcaatg tcgaacatcg ggcagtcctt ccaggccggc aaggctgagg 120
 cccagggcga ggcggagcac gcggcgagcgt gcgtcaagga caccgccgca gccgcgcccg 180
 acagtgcgca gctgcagcag caccgcccc aaggcaccgt tgagcaggtg gcgcagacgg 240
 gccagggcgt ggcggcaggc gtcaaggaca cgggtggcggg cgcggcggtt ggcgtcacga 300
 acacggtgtg gcgggcgtgg cggcgggcgt cacgaacacg gtcacgggcg ccgtggcggg 360
 cgtcacgaac acggtgaccg gcgcggcggc ggggtgtcaag gacaccgtga ccggcgggcca 420
 ctgatcgacg acccaagaat gcttcatg 448

<210> 23927
 <211> 437
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-E9

<400> 23927

agaagttcaa agaaaagggt cctctgtcaa tgcaaccaat cagctgggtct agtgagaaat 60
actatttgag gcagatcttg cctctagtagt gaaaacacaa ggttgtagct tttagcaaga 120
cagattctcg ccttgcaaac aatggcctgc ctctgaagct ccaaaaactt cgctgtcatg 180
ttaactacaa cgcattgaga tttgccccat ctattgaggt tctaggaaac aagatgatct 240
caactctcag gagaactgga tcttttggtg tgcttcatct gagatatgag atggatatgc 300
ttgctttctc tgggtgtact catggatggt ctgatgaaga aacagaagag ttgacaacaa 360
tgagatatgc atatccctgg tggaaagaaa aggaaataga ctctgagaag aaaaggcttg 420
agggattgtg cccctt 437

<210> 23928

<211> 360

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-F1

<400> 23928

gcgcgacgc gtgggcgcgt gcatgcgcag acgttgaggt cgaggacac ggtatctctg 60
agctgcatca gggagcgacc cgccaccgcc acgcttggtc gcaagccgag aagagtgccg 120
ggccgggaga ccggacgata attgatccgt agcagattcg ctaatggcgg agacggcgga 180
catggagcgg atcttcaagc ggttcgacac caacggcgac ggtaagatct cgctgtcgga 240
gctgacggag gcgctacgga cgctggggtc cacctctgcc gacgaggtgc agcgcatgat 300
nggccgagat ccgacaccga cggcgacggc tgcctcgact tcaacgagtt catcaccttc 360

<210> 23929

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F10

<400> 23929

cccaattccg ggtcgaccga ctggttcgcc cactcggtccg cccacgcgtc cggaatgatc 60

ttcacaactg cttcggctac accggtgagg gtgtggcaat taaagttatc cggaataagc 120
agaccggaca gtctgaagga tacggatttg ttgagttcta cagccatgct gcagctgaaa 180
gggttcttga aggattttct ggtcatatta tgccaaacac tgaccagccc tttagattaa 240
actgggcata gtttagcatg ggagataggc gctcagatgt tgcttcggat cattccatat 300
tcgtaggoga ccttgcttcc gatgtcaatg atgccacact gctggagggt ttctccagca 360
ggtactcctc tgtcaaaagt gccaaagtcg ttatcgatgc taacactggg agatccaagg 420
gttatggctt cgtgagattt ggagatgac 449

<210> 23930
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F11

<400> 23930

cccactcgtc cggcgatgag agccttggtc ctccctgggtcc tgttctgcat cgtgcatggg 60
gggaaggaag agtcaaaggg catcgatgcg aaagcggtcc gtccctgggtg gtccttcgac 120
atcaccaagt tgggcgcctg ctgcaatggc aagacagaca gcacgaaggc tgtgcaggag 180
gcatgggcat agtcgtgcgg cggcactggg aagctgacaa tctcatacc caagggcgac 240
ttccttgtct gacaactcaa cttcacaggc ccttgcaagg gcgacgtgac catccagggtg 300
gatggcaatc tgctgtcgac cactgacctc agccagtaca atgtccatgg taattggatc 360
gagattctac tcgtggataa cctgggtcatc accggcatgg gaaaccttga ctggc 415

<210> 23931
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F12

<400> 23931

tcacgacaag atggcatgca caaacaatgc gatgagagcc ttgtgggtcc tggctctctt 60
ctgcatcggt catggtgaga aggaagagtc aaagggcatc gatgcaaaag cgtccggggc 120
tgggtgggtcc ttcgacatca ccaagttggg cgccttcggc aatggcaaga cagacagcac 180

gaaggctgtg caggaggcat gggcatcggc gtgcggcggc actgggaagc agacaatcct 240
 catacccaag ggcgacttcc ttgtcggaca actcaacttc acaggccctt gcaaggcgca 300
 cgtgaccatc cagggtgatg gcaatctgct ggcgaccacg gacctaagcc agtacaagga 360
 ccatggtaat tggatcgaga ttctacgcgt ggataacctg ggcatacccg gcaaggg 417

<210> 23932

<211> 469

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-F2

<400> 23932

gcgtgctatg ctacagcaac atataacca tagagataat tcagtagatc tagtagttta 60
 actcgataat tgttggattt caatacattc aggttcttgc taatttgatc ggtttttaa 120
 gtttgatgga atcgggttga ctgtggaccg aggcggcgga atcaatcaag aacgccatct 180
 cctaggtttag ggtgtgttgg acctgccatg ggggacaggc cggcgccgat cgagaaggtc 240
 gcggtgccgg agaagatggc cttgttcctc cacgcgcgcg tcacgtcacc gggacaccag 300
 cagcagcacg gctgccttcg tcgcacgagg cgcccgccgc gaacatcacg ccgcggacaa 360
 cagccaggaa taagcagcag cacctgccgg tgagccccgg ngcgtgcctc tgctcgccga 420
 ccgttcacga gggctcgttc cggtgcaagc ttcaccgcgg cagcggcag 469

<210> 23933

<211> 364

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-F4

<400> 23933

ggcggcgagg gaagggtcc gcgtcgtgtc cttctcttct ctcctcctct ctccaacacc 60
 cgatccatga gcgctgccct ccgcattgct cttgatacca tccagtacat cgattctgcc 120
 cccaagatca aaggccggag aaggaggaag aaagggttagg gagtcggcta tggcatgctt 180
 cttcctcctg ccaacgttgt cgtcatctgc cacacgcagc atcacaaata gagagagaga 240

caaaaacaaa gaggggtcga caagcactga caccgacccat gtcaatgtgg cgcgtcttcc 300
gctccctcct tcgcgcccgn ctaggcgggtc gggcgcgggcg ccgtgcccag ccggtgggtc 360
ccgc 364

<210> 23934
<211> 293
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-014-Q1-K1-F5
<400> 23934

cctgagatgc gcaaggaagc tgtgttcgag cggggagacg cgggtggatgg actctccaac 60
gtgagggaca tgcaggcaca taattttcta tctaaggatg cgaagtagag ggcagaaaa 120
accatccatc ctagagcagc ataagcctgc tgcatttgta atatattcga aatccgtatt 180
ttttttcttc acaagcacta ctctatatac gatgaataaa agggcgacaa tacagtgtca 240
aaaaataaag acgcttgggt ccaactatgc cgacaagggt cagcgcatga tgg 293

<210> 23935
<211> 421
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-014-Q1-K1-F6
<400> 23935

catgccggca acgtcgcggt agcgcctgag cgtgaggagc accaacgccg atccggtccg 60
ggcgatggtc accaggccga gcgtcgccga cgcgtcattc ccatcctcgt gttggacgga 120
ggaaagtaga ggatcaaacg aatgtggcct cagctgaagt gctagacctc ggcgataatg 180
gtggccatcg cgggggggtga ggacgactag atgttgggta ggcgagctg ctgccgacag 240
aggctgatga gctgttcgtg gacacagggg taggaaggga atgtagattc taaaaatggc 300
cattaactcc gaagccgata ccaaacgttc aagaagacca gtattataat gtcagtgtga 360
gaattgcggt ctteggaatg ccatcttttt taagcccggt gtagccgatg ccaacgttga 420
a 421

<210> 23936

<211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-F7

 <400> 23936

 gtcggaacaa ggaaggcgtg cgcgccactt ttgccaagaa ggcggcgctc ctagggctgg 60
 ggttgttttag gcaaatgggtg gaggatgggc tggagatctc agatgtcacg gtgacaggcg 120
 tgctgcatgc ttattctatt actgctgata ggaatgagtg cgagcagcgt tatgcgaatg 180
 ctatcacttg tggatgacga ttcaagctta catatattat atccagacat tgcaatgtac 240
 atttcatata gcctatcctg agatgcatag acttactgat gcaaaagtgc acgaagagct 300
 tgatgacact cgttctgctg gtcagtctgt taaacaacac cactcggctg atctttaaga 360
 gaaacttggg gacttgagta ctgatctaca agtttggctg taaaaaatg ttctat 416

<210> 23937
 <211> 469
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-F8

 <400> 23937

 cccacgcgtc cgcccacgcg tccgggcgtc gggaatggcc gtttgtgacg aatgcaaact 60
 cgagttcctg gaactcaagg cgaagaggag cttccgtttc atcgtgttca agatcaacga 120
 gaacgtgcag caggtgggtg tggacaggct tgggggacca ggtgaaagct acgatgcgtt 180
 cagggcctgc tttcccgcca acgagtgccg ctacgcggtg tttgattttg actttgtcac 240
 tgatgagaac tgccagaaga gcaagatctt cttcatctct tgggccccag atgcatcgag 300
 ggtgagaagg caagatgttg tacgcaagct ccaaggaccg gttcaagagg gagctcgacg 360
 gcattcaggt ggagctacaa gcaactgagc cgagcgaaat gagcatggac atcatcaagt 420
 cgcgagccct ctgaaacagc ccggcatcag ctctgcatg cccgtcgat 469

<210> 23938
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-E5

<400> 23938

aggcagagtt actggcccaa gctaaagaga atgaatcatg attgtcattt gtccagtgg 60
tgcaggcagt tccttgatcg tatttcctct gctgtatttt ccatgcaata tcttgactga 120
tgtatgctca tgctcagcac ctccaataaa gcgagacatg ctatagcatt gttgaatgca 180
agtgggtatg cagtttgcag tatgcttatg ttgaattgat gtaacttagc cgaactgaaa 240
gaggctgccc cagcttgatt ggaacagagg aatttgctgc tgtttttggt cttattacng 300
ggaacaacac aagtcaactc taaaaaaaaa ttgtttatga gtctggttat aaggtgttgt 360
tttgactga gatttcattg ttcacttgaa gaaacctctg tcggaggagc agaatgcttg 420
gtgctgttt 429

<210> 23939
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F9

<400> 23939

cggacgcgtg ggttttcggc ttgcatgtgg atccaggact tcctgtaggc accgtttcgt 60
cgaggccagg gccgtttcta gcagcagcag gtagatttct ggtgacggtc actggaaaag 120
gcggacatgc tgcagggccca caggatgctg tggatcccat tgttgaggca tcctctgcc 180
tcgtcagcct tcagcttctt gttgccgcg aaattgatcc cctccaggct gcagtggctct 240
cggtcacgtt catgaaagga ggtgatgctt acaacgtcat tccagagtca gcacccctcg 300
gcgggacctt caggagcttg acaacagaag gcttttcgta tctcatgaag aggatcaaag 360
agatcataga aggtcatg 378

<210> 23940
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D10

<400> 23940

cccactcggt cgccactcg tccgcggacg cgtgggcaag tgcgcgacga aggtcttga 60
 tggagagccg gtccgcgctc aaattacacc tgacgaacct ggacttactg cataggaacc 120
 tatcaagccg actcctatga aaggaggag ttgtgccccca gcttcctttt atcacatttt 180
 gctatttctg cagtaaactg ctggctggta ttatgtatta gaattagtct cagcaccagg 240
 agcttgaaga gtggcaagtg acaccgtgta ttctttatct tagtttctgt tgacatacca 300
 ggtatttgta gttggcagac aggcagaatt gtatattatt ctccagggt accagtcaat 360
 taagttgccg tccaagtaag atatgtacac gattttgc 398

<210> 23941
 <211> 385
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-014-Q1-K1-D11
 <400> 23941

tcccactcgt cctccactc gtccgagctc atggaaaata tcttgagaa acaagagtga 60
 gtgtttcttg cgagaataag cgtggcaciaa ggttactcc tatggcca tggcccgata 120
 agtctgtttc attaggagtt actcaagcct tgtcatggaa aagatctggc cttatggta 180
 gacccatcat acaagtcagt gtgtgcccta cgtatggagg aagtatcct ggggtacgtg 240
 cagaagttgt ccattcattg aacgaggaat tgaatctgat gtgtggcctc tcttgctcac 300
 agcgcccatc atcttatact gctctctcta ttggacgatc aaagtggaat ggtcaagtgg 360
 gcagttctgg agtggtaatc acctt 385

<210> 23942
 <211> 434
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-014-Q1-K1-D12
 <400> 23942

agcaccatc agccaagagc tatccatacg cacagcgatg caccagcacg agatactagc 60
 cggcatgcgc ctgtcgtccc tctcctcgt cgtggccgcc ctctcggcgc gcgccgcggc 120
 gcagcaggtg ccgccggtgg gcggcagcgc tctgaagccg gactactaca gccagtcgtg 180

cccgcgcgcg gagcggatca tcgcggaggt gatgcagacg aagcagatgg cgaacccgac 240
 gacggccgcg ggcattgctgc gcgtcttctt ccacgactgc ttcgtcaccg ggtgcgacgc 300
 gtcggtgctg atcgcgtcca cccagttcca gaagtoggag cacgacgcgg agatcaacca 360
 ctgcgtcccc ggggacgcct tcgacgccgt ggtgcgcgcc aagctggccc tggagctgga 420
 gttgccccgg gtgg 434

<210> 23943
 <211> 360
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-D2

<400> 23943
 gcgcccacgc gtccgggcca atttgcccct attgattgcy aaattttaaa aaggggagct 60
 attaggagtc aacgaaatgt tacctactag actgggggtc ttaaatttat gtctggattg 120
 gtagaagaac cactcttgaa aaaaggaac caaggcggct aacttggtga gaattactac 180
 gtgaaaggaa cccgcaaaaa tcttatatta ttcggctcat ggaaaggatt tgagactgtc 240
 acaatcaaaa taaaagtttg ataaatggcc ccaagaaagc tgatgcagtt gtgtcggatt 300
 gaaagcagan ngaaaagtgg cccagctctt ctttagcgac aaggatttaa tttcaagatc 360

<210> 23944
 <211> 391
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D3

<400> 23944
 ccctcccag tccaaaccct aaacctaaac ctctcaccgc gcgcgcgcgc cgccgtcgcc 60
 agcgccgcgg ccccgaggcc ccatcccagc gaaaccgact tccgcctcgg attgaagcaa 120
 tgtcgtcgga cgacgaggtc agggaggaga aggagctcga cctctcctcc aacgatgtcg 180
 tcaccaagta caagactgcc gccgaaatcc tgaacaacgc tctgaagctg gttgtgtctg 240
 agtgcaagcc aaaagcaaag attgttgacc tttgtgagaa gggtgactct ttcataagag 300

agcaaaactg ggaatgtcta caagaatgca aagaggaaga ttgaaagggg cattgctttc 360
ccaacctgtg tttcgggtgaa caacacagtc t 391

<210> 23945
<211> 334
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-D4

<400> 23945

gcgccacgc gtccgcgaag ctgtgcctcg taccatttcg atccaatggc gccgacgtcg 60
aagctgtcga cgggcatcaa gcgcgcttcg cggtcgcacg cgtaccatcg ccgtgggctg 120
tgggccatca aggccaagaa cggcgggcgcc ttccccaagg ccgacaaggc cgccgccgcc 180
gtggaacca agttctaccc tgccgacgac gtcaagcccc gcgttcccag caccgcaag 240
cctaagccta ccaagctcag gtcgagcatc acgcctggga cgggtgctgat cctnctcgca 300
ggcgcttca tggggnaaag agagtgggtg ttct 334

<210> 23946
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D5

<400> 23946

cccacgcgtc cgcccacgcg tccgcccacg cgccgcctct ttctctctcg caccagccgc 60
gccggcgccg ccaccacgcg cgcgggagac agagaccaca gccgcagcca ccgacgggcg 120
gaataggaat ggtggcgccg gggggaggag caggaggagg tccgttgccg tggcccggcg 180
gcggaagagg aaggatgcgt gcatattagt ttccgatgac cccacctgat catgtaccta 240
gctgaacaaa tgggactgga actgatcttg tcaaagttgc atgatctcaa atgggaatac 300
ccccatcttg aactgtacg gaagaagggtg gtggagatta gtggaaggga tgaacaagag 360
gttatggttg ctgcttgccc ctacagaatt tgccctctgg gggctcatat tgatcatcat 420
ggtggagtag tcaca 435

<210> 23947
 <211> 410
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-D6

 <400> 23947

 aacaaacata caaacactca ataacataca caactatata atctatgtat attatacgag 60
 ccccgagcggc actcgacacc gaggcgcgca gggtagatca gatatccatc atccgcagac 120
 cacaagactc acttcaatag gaatactggc tccaactccg agtagcatga taaggctcctt 180
 ttcactgacc taaatcggat gacaaatgat gcgtgcatat taatttccga tgacaccacc 240
 tgatcatgta cctatctgaa caaatgacac tcgaactgat cttgtcaaag ttgcatcatc 300
 tcaaattggca aactcatatc gtttgacact gtacggaaca aagtgttgga tattactgga 360
 aggcatgaac atcatgttat ggttgctgct tgcacctaca gaatttgccc 410

<210> 23948
 <211> 251
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-D7

 <400> 23948

 cccacgcgtc cggcggaccg tccctccagt ctttcgctct ccgtcactcc caccagctct 60
 acgatcactt tcacgaggcg cgcggaaatc atatactaca tacgatcata tctactgcct 120
 gaataacaat cataccgctt tactaattca tatgaacctg accttacctg taccctctta 180
 aagcataact ttcatgcata catattacat acctattaca ctacctgatc atgtacttaa 240
 ctcaacaact a 251

<210> 23949
 <211> 467
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-D9

 <400> 23949

 gcacgacgca cgcagagccg cagagatccg tcacactgca agttttgaaa actgaactgt 60

aagatggcat cagcagagct ttcccgtgag gaaaatgtgt acatggcgaa gctcgccgag 120
caggcagaga ggtacgagga aatggttgag ttcattggaga aggttagcgaa aactgttgac 180
tcggaggagc tcaactgtgga ggagcgcaac ctctgtgtctg ttgcatacaa gaacgtcatt 240
ggagcccgcc gtgcctcatg gcgcattcatc tctccatcg agcagaagga ggagggtcga 300
ggcaatgagg accgtgtaac actcatcaag gactaccgtg gcaagattga aactgagctc 360
accaagatct gtgatggcat cctcaagctt ctggaatctc accttgtgcc gtcttcacc 420
gctcccgagt ccaaggtctt ctatctcaag atgaaagggg actacta 467

<210> 23950

<211> 297

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E1

<400> 23950

cccacgcgtc cgaaaaaaaa aaaaactaag ttataaatt aaagcataaa aaaaaaaaaa 60
aaaggttaaa ggttaaaaag gaaaaagatg cgataaaaat ctacttaaaa aataaaaata 120
aataaaaaaa taaaaaatta ataaaataaa aaaaataaaa aaaaaaggcc tctcctttta 180
aaatttccca atttaattcc ctttctttta cacctttaac ttttttttat tttcacctaa 240
atttaaatta ctttgcccct tttttaaaaa ttgatttttt taaaaacctt tgttttt 297

<210> 23951

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E10

<400> 23951

cggactcgtg ggcggactcg tgggcagccc ccaactaccc ccagcctcgg aaggaaacctt 60
cgagaatcgc aagactctaa aggccgtcgc cttcccattc ttcctcgccg cggggggtcgc 120
ctgagatcac ataaacaatg gtgaaggctg ttgctgtgct tggtagcagc gatgggtgtca 180
agggcaccat ctttttcacc caagaggag atggccctac cgctgtcacc ggaagtgtct 240
ctggcctcaa gcctggcctc catgggttcc atgtacatgc acttggtgac accaccaatg 300

gatgcatgtc aactggacca cactacaatc ctgcgagcaa ggagcatggg gcaccagaag 360
atgagaaccg ccatgctggg gatcttggaa acgtgacagc tggaacagat ggtgttgcta 420
atatcaatgt caccgaca 438

<210> 23952
<211> 452
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-014-Q1-K1-E11
<400> 23952

gactcttcct cccactcttc ctctgactcg tgggcttcta gatcgcaagt ggacgcctt 60
atggaacctt tgagaatctc attacgctaa aggccttctc ctcccatc tttctctcct 120
cttttgttct cctatatcac ataaacaatg gttaatgctg ttgctgtgct tggatatc 180
tatggtgtca agggctccat ctttttcacc caagatggag atgtccctac cgctgtcacc 240
tgaagtgtct ctggcctcaa tctggcctc catgggttcc atgtacatgc acttggtgac 300
accaccaatg gatgcatgtc aactggacca cactacaatc ctgctagcaa ggatcatggg 360
gcaccataag atgagaaccg ccatgctggg gatcttggaa acgtgacaac ttgatcagat 420
ggtgttgcta atatcaatgt caccgacagc ca 452

<210> 23953
<211> 426
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-E3
<400> 23953

cggacgcgtg ggggagaaac cgccggcggc cgtcggcggt ttcacggaca cgtctacggc 60
ggccgagagc gggctcgag atgtctgcag cgccggcggt aaggagcttg tgccggaccc 120
gggccacttc gagtggccgt cgggctgcga tctggggctc tactggggca ccagcgtgtt 180
cgccgacacc gaccggcggc tgttctgaa cctgccgtga gccgtgacaa cgccacggcg 240
tccatgctca actaatcaac catcacacga cccacgagat agatgagatg tgaaccgagc 300

acgctgtagc gtcaagctct tgaaggcttg aagctgtgct gtagtntcct gagcttacta 360
 gcgatctctg ctgggtctctg atctgataat ctcttactag tcgcgggttg tgctccgac 420
 tagtaa 426

<210> 23954
 <211> 343
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E4

<400> 23954

tttctgtctt cagtagtgca aacaaaattg cttatggtga ttctcgaca tatttacgcg 60
 acgtcatggc tgactgtcag cacgttaca cctatccaaa ctccaaccat aaatgtaatt 120
 taatacatat caatactatc atctcatatg ctctatcgac tacaaccaca tcacatattc 180
 tatcatatc catcaccaat gtgccacata ctataatata atccattatc acagaattaa 240
 aaccaagct catatatctc atcatgactc aactcaaca accgatcaca cctacaccta 300
 cctctcttat cctgagtact cacaaaatac ataatcatcc aac 343

<210> 23955
 <211> 292
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D1

<400> 23955

gctcctgctc ctgcggggcg cctccggcgc gcacggctcg ttccaggcta ggcgtgctct 60
 gtgagatgag catgggagcg gtatagtggc gcgatggcgg aggttgctcg ccgacgctgc 120
 gactccagcg aacaactctc ttgtgctggc tgcggcgagg actcaccgga gcgaccctt 180
 cgccaacctt accgcgtaca gcggcggtg gaacattagc gacgagcact actgggcttc 240
 cgtgacgtac accgcggtgc cctcttctc catggcgtg ctgtggttcg tc 292

<210> 23956
 <211> 294
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B3

<400> 23956

tgtacacatt cgatcctgcc acaatgaatt tcagaagtgt ggagctcgtg ttctcaagta 60
tgtttaacga tgtcaggccc gtgcaacggc ttggtgtgtg cctatgatat aaaaggcgat 120
gctgaggctc tgaataccac aactaggaag catttgaggc tcccagattc accactcacg 180
tcacgggctc tttactccga atatcctgtt ggattcgtgc actctacaac acagtacaac 240
gtgagctcta tatgtcacac atgtgcgcta cttgacattc gcaatctgaa ctat 294

<210> 23957

<211> 298

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B4

<400> 23957

ggatggtcgt atcagctacc cagagttcga attgatgatg aaaggtgggt cagactggag 60
tgatgcctgt agacgggact cgagagagaa tttcagtagc ctcagtcgaa agctgtgcaa 120
agacacctta tgaacaaga aagtagtttt gcaagcagca gttactgact gacagtacca 180
cgccctcgac taagcagcaa gcgtcggaag acaatgcaaa agcaggatta ctggatctgg 240
tggaactgtg gaaataaggg ttaaaggaga tttgcgtcga ttgacagact ccgtcaaa 298

<210> 23958

<211> 288

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-B5

<400> 23958

cccacgcgtc cgacggcgtg gtgggtctag agctggctgg cgggcgtgct cctgctggtg 60
tggggtttgt ggcgtgtggg ctggatctgc actcagcagc tggcgctggc ggccggtggc 120
gggtgcatcc atggcaggtt gggggctcgt gcatgtgctg tggcacgggg ctctcttctt 180
tgccaccctt tccctacctt aacggcctgg ctactggtaa tggcgggcat caccgtgcag 240
ccgtgaggag cgaaggatct ggctnctcaa tgggtggtgt gtggccgt 288

<210> 23959
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-B7

 <400> 23959

```

gtcgttcggt cctcaagtga tcttaatcgt cgagaagtta ccagctagcg gagggcatcg   60
ggaatgtcga acatggggca atccttccag gccggcaagg cgcaggccca gggcgagtgc  120
caggcggagc ggcgagcgca gtgcgttagg gacggcgccg gcgccaccgc ctgcgccgtg  180
accgacaccg ccggagccgc ggccgacagc ggcgagctgc aggagcaccg cgccgccggc  240
accgttcagc aggtggcgca gacggcgggc ggcgcggcgg cagccgtcaa ggacacgggt  300
ggcgggcgcg gcggcgcccg tcaaggacac ggtggcgggc gcggcggcag ggcgcaatga  360
cgcggtgacc ggcgccact gaccgactca cgcgcgtaga ccggacngcg taccaacaat  420
gct                                                                    423
  
```

<210> 23960
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-B8

 <400> 23960

```

ggggataaaa aaggcacagt ttttggtggt ttagttgagg cccattgca gccatctagt   60
tgaaagaagg gaccaataat tcctttgttt tctaataatt acacaatcg cctgtcatct  120
atcgaccgac aggtgcaaat aactacttta cgatgtgctc taccgactat ttggctctgg  180
ggggaggagg tcatttcgca ctttatcttg acgcagacct tttgattggt tcaagttcta  240
attcagagac ttttaacaac ggggtgttat cgcattcttc agacttctca gtgaaagatg  300
ttgaagcttt ggggcttcgt ctacccttcc aaatacgagg agatgctgac actctgccgg  360
actgagaaac caggaatctg tccatggtga gtggtgacca atccc                          405
  
```

<210> 23961

<211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-B9

 <400> 23961

 tcgggcccgtc gtcgcgacta cactttgggt catctatcat cctgcgatcc gtcgcctcgc 60
 cgtcgtccgg cgagcccag agtaggaggc catgacgctt gcgagcacgg acaaggtggt 120
 gctgggatgc gtcgcgttca gcattctctg ggtgctggcc gtgttcccg cggtgccgtt 180
 catgccggtg gggcgcaccg aggtgtccct cctgggcgcc atgctcatgg tgctgttccg 240
 cgtgatgacc cccgactagg cgtacaaggc gatcgacctc ccgacccctg gcctcctatt 300
 cggcaccatg 310

<210> 23962
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-C1

 <400> 23962

 gcgtcgttct ctcttctctg tccaagtgat cttgccagt tacgagcagc gagcagagat 60
 cagatcatgc atcggcaatg tcgaacatcg ggcagtcctt ccaggccggc aaggctgagg 120
 cccagggcga gtaccaggcg gagcacgcgg cgcagtgcgt caaggacacc gtcgcagccg 180
 cggccgacag tgcgcagctg cagcagcact cgcaccacgg caccgttgag caggtggcgc 240
 agacgggcca gggcgtggcg gcaggcgtca aggacacggt ggcgggcgcg gcggttggcg 300
 tcaacgaaca cgggtggcgg cgtggcggcg ggcgtcacga acacggtcac gggcgccgtg 360
 gcgggcgtca cgaacacggt gactctgcgc gcggcggtg tcaaggacac cgtga 415

<210> 23963
 <211> 345
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-C10

 <400> 23963

aattccctgt tcgaccgact cttactttta tcttctgaaa aactcatcac atagagttta 60
atcctaagat atcataattg cactatagtt tatttcggac cggatttcaa gttacatatt 120
atatcatata catatatata attattacta ccatttcgat aatacatatc aatactaaac 180
tatctattaa gatttattac aactaaatta tctacaatta ttaacatcta aattaaact 240
atacattata atattctact aaccataaat ctctttcaaa aaaatcaaac ctgggccatc 300
acataattat acaattcaac atacaattca cctatcataa tatca 345

<210> 23964

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C11

<400> 23964

agaattcccc cctccccgt agcgaaaccc tagccgccac gccaaaacca aatcccgcgc 60
agcccgaat tttccggcgg gttccttgcc gcgaatcgat tgatttcgag cgattcgact 120
cctttgtgat ctctcggcgg ggtagagcgc ggtcgaccgt cggccatgtc gaggtgcttc 180
ccctaccgc caccggggta cgtgcggaac ccagtggccg tggccgagcc ggagtcgacc 240
gctaaggttt gttgaacctt cggatttaca cacgcacgtg ccagatcggt tgttcaatct 300
gtaggttttg cgcggatctg tggtttgccg gtgcgtgatg tgggtattgc ccgtgccttg 360
aaagctaacc gagctgagga agtgtatgga tcttgtgtag ctgcacgagg tcctccaaat 420
cgattggtaa aattaagttg tat 443

<210> 23965

<211> 238

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C12

<400> 23965

ccactcgtcc gccacgcgt tcgcggacgc gtggggcaga tgtgaaccag cagcctccaa 60
tagaagccag cgcattggaa gtaaaaccga cagacctcag cctcatgca agcctaccgt 120
cgacttacca ccgctccaac ccgagagaaa gatggagacg atcaagacga tcctcatagc 180

cgcgcttctc gtaatcgccg tctcggccac cgcagtgtg acctacaccg atgtcgac 238

<210> 23966

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C2

<400> 23966

gcgaagcaaa caaaccacac gagcgcggcg cggcgcggt gccacctaga aaacgcccgc 60

ggcgcgacga tgaagaaagc ggcgcggcg cggcgagtc tggctaccct tctcctgtcc 120

tcggcggtgt ccgccaccg cgtgtccggg caggaaccgg ggacgaacca acagacggcg 180

ggcaacaacc cggcgctgca caaggcgtac gtggcgctgc aggcgctgaa accgcgcgat 240

cacggaggac ccaggaacc ttgacgcggg ctggtgcggg cccaacgtg tgcgcctact 300

tcggcgctcta ctggcgccgg cggcgcccga cggcgacgcg gacacggaca cgcagaccgt 360

ggccgggctc gacctcaacc acggcgacct ggcaggggac gctccggagg ag 412

<210> 23967

<211> 287

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-C3

<400> 23967

ctgatcgacc cgatgtcgaa ccaggcctgc gagaaggagg ccggccccaa cgtctccgtg 60

aggggctacg acatgatcga ggagatcaag acggagctgg agaagaagtg cccgaacgtg 120

gtgtcgtgcg cagacatcat ctcggtgagc gcccgcgact cgggtgaagct gacgggcggg 180

cccgagtacg cgggtgcccct gcgaccgcgc gactcgctgg tgtgcaaccg ccaggacgcc 240

gacaacctgn cgggctcaga catcgctgtg cccaacctca tcgacga 287

<210> 23968

<211> 258

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C4

<400> 23968

ctgacgcgtg ggctgacgca tgcgccgtcg tatacttact acttcgtcta catcttcgcc 60
cagcccagcg aaaacgtcta cgcgattctc cgtgctctcc taatccacac cgtatactcc 120
gcctcctgcc gagacgacag gtacggcagc atccgtgact caaccaactt actgctttca 180
acaacctccg gctgcacaaa gcgtacgtgg ctctccaagc gctgaaacac tcgatcactc 240
aagaccccat gaacttta 258

<210> 23969

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C5

<400> 23969

cccacgcgtc cgagcatgac ccggtcgagg tcgccaacca acttaaccgt gcagggcaca 60
gatccgtcga gaaggaggac attggcacga ggcgggagat gatggggacg acgacgagga 120
agtctaagtt cagcggggccg tgcagggcga cgaaccogat cgaccggtgc tggcggtgcc 180
ggcaggactg ggcgacggac cggaagcgcc tggcgcggtg cgccaagggg ttcggggcgca 240
acaccaccgg cgggctggcc ggcaagttct acgtggtgac ggacggcacc gacgacgaac 300
gtggtgaacc cgcgccccgg cacgtccgg tggggcgctca tccagatcga gccgctgtgg 360
atcaccttcg ccaagaccat gatcatcacg ctcaaggagg agtcatcat ccgcggcgac 420
aagaccattg a 431

<210> 23970

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C6

<400> 23970

agaacctgga cgccggcaag gggatcgggc ggcccgcggg gctcgtgatc aacggcaaga 60
acgagaagga cgcgtcggac ccgcccattgt acaacgtgga ggccggcaag acgtaccggt 120
tccgcgtctg caacgtgggc atcaaggcgt ccttcaacat ccgcattcag aaccacatca 180

tgaagctggt ggagatggaa ggctcccaca ccatgcagaa cgactacgac tcgctggacc 240
 ttcacatcgg ccagtgcctg tcgttcctcg tcaccggcga ccagaagccc ggcgactaac 300
 ctgctgggcg gtgtccaccc ggttcatcaa ggaggtgaac agcatcacgg ccgtgatccg 360
 ctacaagggc ttcaacgccc cg 382

<210> 23971
 <211> 241
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C7

<400> 23971

cgttccgcca tgcgcgcacc gaggcacggc agcatgcgcg cccacgtcgc cctggccttc 60
 ggggcgctgg tgctggccgg cgacgccctg cacacggcgc tggccggcag atgcagtttc 120
 gactacaagg atgccctaag caagaccatc atattcctgg aggcccaacg ctccgggaag 180
 ctgccgtgca gcaatcgcg t caagtggccc ggcaacttag ggcttaacaa cggcaagctc 240
 g 241

<210> 23972
 <211> 333
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C9

<400> 23972

gaaaaactca gcacaaacat tcaaatgttc agatattcaa attcttcgaa agtggttcaga 60
 ctttagacaa aaagtaactc taatatagca gtttcacaca cgctcagggg acaactccaa 120
 aactgagtgg gctgaagact taacacggtc taaaagctaa agcctatggg cgagcagcaa 180
 ccggtgctgg agatggagct gtaacagcag caccaggacc agggctgtag ctttcttgtc 240
 caccatcaag cctatcctac atgcgcacgt tccacttcga ccgtttgctc tctatgcgct 300
 gctcacatct caacactgat accacctcat atg 333

<210> 23973
 <211> 387

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B2

<400> 23973

gcgggtcacc gctgtccccc cgcacgaaga agagatctgc ggtgccactt tcaaggtggt 60
 ggaaggggtct ggtgtcctga cggcgctgca ctgatcgatc atcagctggc ggaggcgatg 120
 cgacgatgat gcagaacttt gtacatgcgt ggtgggtgtg taacatagtg tggctggcaa 180
 caagccatgc tcatgcaaac cgatgaatct atctctgtat catgcatcga tctcggttgc 240
 ttgctagtcc cgactccaga ctccagacat ggctatatat agctgggtgct aataaatagg 300
 agtattaatc gtcaaataac gatcgattgc gtgtggaatg ccaatcaagt gtgtaatctg 360
 ttcccagata ccaacccttg gttcctc 387

<210> 23974
 <211> 309
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A10

<400> 23974

taattcccggt ttctaccgac tcttctctcc actcttctct ccacaccacac tctaaagatt 60
 tcccattatg atatcaatct aattataatg ctctttcata cagtctcata cttcattcac 120
 atcttaaacc ttacaacaac atctcaaccg atacataact gacataactca acctctacaa 180
 tgtactataa ctactcaca tacaccttca ctacctcgtc ccacatctca cacctcccat 240
 tgtaatacta ctacttattc taatcaatcc taatactagc gtacacaata tatctctaca 300
 ctccactta 309

<210> 23975
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A11

<400> 23975

tcttctctgtt ctagatctct atcttctctc cttttttttt tttttttttt ttttttagttt 60

ttttttttat gtttttattt tttttttttt tttttttttt tataaaaaaa ttttattttt 120
 ccatttataaa ttaaaaaaat tatttcaatt tcaatttcta cttttttaat aaaaatttta 180
 ttaaaccaaa ataaactact aaactgaaat tgcaaaaaaa caaattataa ttaaccaaaa 240
 cacaaaacaa catattatca tggatctcat catcttctaa atacaatgat cactcatatc 300
 ctataaaacc tacaaatttt ttatccccct aataaaaaaa ttgcctaaaa 350

<210> 23976
 <211> 461
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-A12

<400> 23976
 gcgggggagtg ggtggacgtg ccgcccattgc gccacgccat cgtcgccaac gtcggcgacc 60
 aggtggaggt catcagcaac gggcggtaca agagcgatcat gcaccgctgt ctcacgcgcc 120
 ccgacggcaa ccgcatgtcc gtcgctcct tctacaacct gggcgccgac gccgtcatct 180
 tcccggcccc cgcgcttgct ggcgcgcgcg aggaggaccg cgccgaggcc gtctaccgca 240
 gcttcgtggt cgaggactac atgaacctgt acgtgcgcca caagttcgag gccaaggagc 300
 cccggttcga ggccatgaag tcggccatcg ccaccgctgt agcaaatact gacttccgct 360
 gccggcttcc ttcgtggcgt caagccttga ggcttgaacg aacaacgtac gtncatgtgc 420
 ttatagtggc acagttatgt gtgtaactac cgatcgtgga a 461

<210> 23977
 <211> 343
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A2

<400> 23977
 gccggccatg agcgcggtgg ccgtggcgcc acaggataca gcctcgttgg gcaccttggc 60
 gaggaggtgg acagcctcag cgaagatgac gcccatgcc atgtggaggt gcggtcgcgt 120
 atggcagtgg aaggcccaca cggccgggtt gtccgccacg aaccggagca tcgtccaccc 180

gtacggaaag atgaccgccg tgttccgcag cggcgggtcc cggagggtga gccgcgttc 240
 gtcggcgccg tccccgcggg acgcgccgtc gccgtagccc agcaccaga agtcgtggcc 300
 cgtggagggtg cccacgggtg cacctcgtg acgttgcgcg aca 343

<210> 23978
 <211> 421
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-A4

<400> 23978

cggacgcgtg ggtctagaaa cactagtgt tccaaaattg caagcaaata ttccttttgt 60
 gggagtgcgc ctttgaagaa tgggtgaattt cagaagatgt tggaaatgga atcacagaaa 120
 actatagtgg taaattgccc tgatgtgagc atccctgtag tggaagagac aaaaccactc 180
 atatgcggaa tcaactgaatt ggatgatggc cttttcaagg acaagcaact ttccactaag 240
 gagattgcaa cgtatggatt gtatctttgc cccttatggt ttgtgacaga gtatttatcg 300
 aatgcnagcg cettgcaaga actagtgttg ccagtaccac agtgctgtct tcaacttcag 360
 gactcttcac tcttttcatt ggtgtttact tggccaagac tccataaatg ctgcgaaagt 420
 t 421

<210> 23979
 <211> 454
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-A5

<400> 23979

gtttctcatt cagcgcccggt acagccacca ctctcaaccg agccatatcc aaaggtctca 60
 acatcgcttc gtgcagcctg catcggtcga cgagggctgc acgaacgatg gggtcgcgct 120
 ccgcctcagt gacgacaacc agcctgctgg cgctggcgct ggcagcgctg gctttcgtct 180
 ccagggccgc ggcgcagggc aacggctgtt ccagcgtgat gatgaccctg gcccgtgca 240
 tggacttcat ctccagcaag gcgtcggagc cggggatctc ctgctgctcg gtgctnggcc 300

ggagtcgtgc agaccgaccc ccgctgcctc tgcattggtac tggacggcac tgccacgtcc 360
 ttccggcatcg ccatcaacca gaccagggcg ctggagctcc ccggcgtctg caaggtcaag 420
 gcgcgcgncgc tcagccagtg cacaggcgtc cctg 454

<210> 23980
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A6

<400> 23980

ggcaacacca tcgtggaaat ccaagtagga atgggccccg acggctagct gcgctactcg 60
 tgctacctgg agagcaacgg cacctggaaa ttaccagtca tcgacgcatt ccagtgaac 120
 gacaggtaca tgcgtagacg actgaaggcg gcatcgacg cggacggcaa gcttgagtgg 180
 ggacaccgtg ggccgaccga cgctggcggc tacaacaact gatcagagga caccggctta 240
 ttgcgtggag acaacgggtg gtggagcacc gagtactgtg acttttttct gtcctggtag 300
 tcagctagat gctgctggag cacggtgacc gtaatctggt cgggcaccac attggcattt 360
 ggtgcggcat ccgcataggt cagacgaaag gtctccagct tccactggta ctacaggtga 420
 aggtgccacg cctcag 436

<210> 23981
 <211> 332
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A7

<400> 23981

cggacgcgtg ggccggacgc tgggcggacg cgtgggcaac ggtgccggcg ctggtgacaa 60
 cggcagtgcg tgcgggatca agaactgaa cctgccaccc tacagcggca tgacggcggtg 120
 cggcaacgtc cccatcttca aggaccgcaa gggctgtggc tcatgctacg aagtgagatg 180
 caagggaaaa cctgaatgct cgggcaatcc tgtcacgggg ttcacacag acatgaacta 240
 cgagcctatc ggtccctacc acttcgactt gagcggcaag ggccttcggc ttccctgggc 300
 aaagcccggg ctcaacgaca agcttcggca ct 332

<210> 23982
<211> 467
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A8

<400> 23982

agttgacgtc gtcatcaact gaaactactg atgatacctt tgaagtgaat gacattgaac 60
cggcagctaa ggaagtgggtg gtcgttgatg ataccacgt tgtggatcct gtatatgatt 120
caagtccttc gggaagcgag aggcctgcac ctactgggtt agtaattgac ggacctgtcc 180
taaaagatgg tcatgcttgt actcttggtt ttgaagcaat catcgaagaa gggggttcat 240
cgtcaagaat ggaggtttct tccagtgagg tagctggacc tagtttgagt tctgtggaag 300
caaaggcgaa tccccagaga aagaagcctc tgagataaga gagcagcca tgggtggcca 360
tgtcgaagca catggagggt ctgtcagcca tgctgaccc tcatgatctg atataagttc 420
tcagccgagt actgaaagtt caacaaatgg tgattctggc agtggtg 467

<210> 23983
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A9

<400> 23983

cccacgcgtc cgccacgcg tccgcgaaag aagtcgccta atgctttcga tcgaattatg 60
cgcgttcttc gtccacgct ccgtctttat ttgtaatctg aagcttacag gaacatttga 120
gtggatcatg gacggattgg taggcctctt gaaagtcgg gtggtgagg gcatcaacct 180
tgctaccgc gacgcatgag gcagcgatcc gtatgtcgtc ctacgacttg gcaagaagaa 240
acttaagacg agcgtgaaga agagatctgt gaacccatc tggcacgagg agctaactct 300
gaccgtcaca gatccagcc tagctctgaa tgctgaggtg ttcgacatgg acacgttc 358

<210> 23984
<211> 367
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-B1

<400> 23984

ggggctggcg agggctcctc cgccgcggcc gggctccagc ggcgtttgca tcgcccgcgc 60
acatgcaaga ggcgncgccg tcgcggccag gccggggacg acgaggacga cgacgacggt 120
cgcggcggcg gcggcagagg ccgcttctaa cgggtcagcg gcggcgggccg tcgcagggat 180
cagcagcagc agcagcgcg cgggtgacct gaccgtcggg aaatcgacga acatcctgtg 240
gcatgagtgc gccatcgggc agaaggagcg acagggctctg ctgaaccaga agggctgcgt 300
cgtgttgat cactggccta agcgggtcaa ggaaaagcac gctcgcgtgc gcgctgagcc 360
gcgagct 367

<210> 23985
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B10

<400> 23985

caccaccagc gccgaagccg tcacctccgc gctactccag tgagctcgcc acctccagat 60
cggagagtcc tgtccacgac cagcctcagt tagctcacca ccatcagcgc caaagtcgtc 120
acctccacct gtcctgtaa gcttgccacc tcctgaagta aagtcttccc caccaccagc 180
accgattagc tctccaccac ctccggccaa gtcaccacct ccaccgtccc ctatgagctc 240
acctcctacc gctgtgaagt ctacacctcc accagcgccg gtcagttctg caccacctac 300
aatgaagtcc ccaccgtcgg cagcaccaat tatctctccg ccaccagcac cagtgaagcc 360
accatcgcta ccaccaccag cccagtaag ctcaacctgct actgcggtca cct 413

<210> 23986
<211> 459
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-B12

<400> 23986

cagctgcggt gctcttctac atcctcgccg ttgctgccct cagcgcggcc gagggcccg 60
gagagtcacc gaaggaaggc agtgctgcc aaggcacctga gtctgccaag agaactgctg 120
cccccgctga agcaccggaa gccgcatcca cccccgtcgc cgccgctgcc ccatcgccgt 180
cgtctaggaa gtctgggtcca gctaccgccc cagccaccgc ctctacaccc ccttcttcca 240
cggacgagga gttgagccct tccccgccag catccaccgc cgcggcgctc cctgcggctg 300
anggaccggc tgctgatgac tccgcgggtg ctgctgccct tggaagtgga gctgccatcg 360
ccggcggttg cgctgctgtt gctaccatga tcttcttcta ctaaactcac cgacgatgg 420
cgtgtcccg tgagacatta tgggtggacac gtaattggc 459

<210> 23987
<211> 460
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-A1
<400> 23987

cccacgcgtc cgcccacgcg tccgaccaga gctcctgact ggtcctctct cctcctcac 60
gggcnnggcg cgtctgttcc gtgcatccac cgccccggtc gtctcccggc cagatccctc 120
tctgcaagg tttctttgcg agtggccgga gaagatgatg ggcgggttcc tctccagggt 180
cctcctgctg gcttttggt atgcctatcc tgcctatgaa tgctacaaga ccgttgaact 240
gaacaaacca cagattgagc agctcatatt ttggtgtcag tattggattt tagttgccct 300
gtttgacagt tttggagaga tttggagatt ttacaatatc atggctaccg ttttactcag 360
aagcaaagg gttggtcttt gtatatgtt ggtaccctaa gacaaaggga actacgtatg 420
tttatggaac tttctttaag ccatatattt ctcagcatga 460

<210> 23988
<211> 379
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-G10
<400> 23988

cccacgcgtc cgcccggtga aagacggtcc ttatcatcga cctcctcacc gccgacggca 60

tgtggtacta caagacatgc ttgaggtgca gccactgcaa gggcgtcctc tcgattagca 120
gctactcttc catggacggc gtcctgtact gcaagacgca ctttgaacag ctcttcaagg 180
agacagggac ctctctcaaag aactttcaag gtggagcatc ttcaaacaag aacgacccgg 240
caaaggctcc aagcaagcta tcctctgcat tctctggaac tcaagataaa tgcgcggtct 300
gccagaaaac agtgtatcca ttggagaaat ccccgtaatg ctagttctac cacaagatct 360
gcttcaaata ctctcactg 379

<210> 23989
<211> 204
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-G2
<400> 23989

ggcgggtcccg aggcctcaaa tccgtgccct acgtcggggc aactgcttc tcttcctcgt 60
cccgcgcata tactctgtgt ccaggctgca accctgggct ccagaaaagg gtgtgtgcct 120
gccacccccca accgcgccga agcgggtctga ccctcttgtg ctcggttctg ccgccggaca 180
ggactctcct gactgtctac agtg 204

<210> 23990
<211> 372
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-013-Q1-K1-G3
<400> 23990

cgatcaagcc cattggtcga ggagcttatg ggatagtttg ttcattccatt aatcgtgaaa 60
caaatgagaa agtagcaata aagaagatac acaacgtttt cgacaaccgt gtggatgcac 120
tacggacctt gcgggagctg aaactccttc gccatctccg gcatgagaat gtcattgctt 180
tgaaggatat aatgatgcca atacacagga taagctntaa agatgtgtac ttggtatacg 240
aactcatgga tactgatttg caccagataa tcaaatacacc tcaaggcctt tccaatgacc 300
actgccagta ttttcttttt cagatgcttc gaagacttaa atatcttcat tcagcagaaa 360

tacttcacag ag

372

<210> 23991
<211> 377
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-013-Q1-K1-G5

<400> 23991

caagctnctn cagggacgcg cgcctcccg c agcagcgcg cgtcgagggc gtcccccttc 60
cggcggtgct cgtcccgagc gctcgtgcgg gctcctgcgc cggcgggggc gacaagttcc 120
tggcggccgt gcgctgcgag agggcgctccc ggctggagcc gctggcgcg gacgcggggg 180
ccctgctgct gcgaggggttc cccgcgacga cggccgcca cttcgaccgc accgtcgacg 240
ccttcgggta cgaggagctg ccaatcgctg gcagcgctgc gccgtggacc aacgtcggtg 300
gccgggtgtt caccggcaac gactttggcg ccgaacagaa gatccccctat caccacgaga 360
tggtcaagg tccaaca 377

<210> 23992
<211> 264
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-G7

<400> 23992

ggaataactc tctctcccg cgcggggatc ccgccggtga caatggtgag gtggttgctc 60
ccgccgtgc cagcggacgg cgagataccc ttcggacacg acgccgtgc cttgtccttc 120
ttcgtggcgt gtgtggccgt caccgtgcgc ctgcgctcgt ccatgtgctc ggcatgcgg 180
cgcaagccga atgcggccac ccgtgcagac ccggccgctt cggaccagtc cgtcgggacg 240
ggctcgggct ctgtcttcgg cagc 264

<210> 23993
<211> 304
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-G8

<400> 23993

gagaaacagc gggctagtgc gggacgacgg gcaggataag ctaacagact tggagctggc 60

gggtctcctc gactcaagct ggtgggtacgt acagtcggcg caagcagctc gggcaaattgg 120

aggcggcagc cacgacagct gctgggcgaa cgatgcagct cgaagtgact gggctcttag 180

tcatgaggat aagctgcacg acggcatcta caactgacag tgccgaatac gagcgagtac 240

acctgttggt gtgcgtaaaa aggacaagat cagaaccggg ccagactaat catggggagc 300

ggct 304

<210> 23994

<211> 409

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-G9

<400> 23994

gccacgcgtc cgccacgcat cggctctggct cgaatcgaat gcacgatgag ccgagatacg 60

aagactcaca aacattaacc gtagctngca ggccctacgc ggccgttgcc cggctctgcgg 120

agaggaagcc gatccaagga cgatgccgtc ggacatatac cattgcagac acgcagaccc 180

gtcaagtgct gactgaaaac atgctggcaa tgcacaagag agcgtgtcag ctctgaaacc 240

atcatgcggg tctaaacacc atgtgcgcgt cgatacaacc gaaccaggca tccggcgagt 300

gagtataaaa ccggcaatct agaggagcct agatgcacat atcagaactg ctcaagtgcg 360

gtaaactgct atatcatatt aaacaggcat acattacaac aataagcac 409

<210> 23995

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-H1

<400> 23995

caggatgggg ctctctgtca agggaggcaa cgtcctcgag tcgctgggcg aagtcagggt 60

cgccgcgttc gacaagaccg gcaccatcac cagaggggag ttcagcatca aggacttcca 120

tgtggttggg gacaagggtg aaatgaacca gctactctac tgggtatcta gcatcgagag 180
 caaatcaagc catccaatgg ccgctgcact tgtcgagtac gctcagtcca aatctgtaca 240
 ggccaagccg gagaacgtga ccgagacctg catctatcat ggcgagggca tctacggggg 300
 gatggatggg aaacagatct acattggaaa acaaaggatc ataactaggg tcttgtgtcg 360
 tc 362

<210> 23996
 <211> 451
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-H11

<400> 23996

cggacgcgtg ggcggacgcg tgggcggacg cgtgggctcc tagtgcccag ctttattgca 60
 gatccagccc tctgatcctc gtcttctttc acctctccaa catgaaggte aacaccaaga 120
 tcaagctgga gccggtcatt gcgccgtcgt cgctccctgcc gcggagcgcc agcgagctac 180
 ccgacccgcc gtcaccgttc agctccaaca cggcgccacca cccgtctcc gtgcccacca 240
 cacctagggt gtccttatcg tgctcgtcgt tcggccacat ggtgaccccg cccaccgaca 300
 caccgccgat caccgccacc aagaagcagg aacaagccga agccgacgcc ggaggccgtc 360
 accgcggcga actacgcgtc gttgtggtcg cccaagcgcc tcatgcagcg cgctgcccgc 420
 gctttccgnc gcagcaggte gcgcgcccgc g 451

<210> 23997
 <211> 336
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-H12

<400> 23997

aggggtgctga ttctggcatg aactcaagat ttatggcgga tattggagct gtggaatgct 60
 gggccaggte tatctactag atgatgaact atatgctgat ctaatagctt atatacaaga 120
 attatttggc tggaagggtt atcagttatt tgcaacagtg aaggaacatc taatgcttaa 180

tattgatgac ctaagcatta tcgagcataa cgaggacatt gggacagtca agaataaatc 240
atctagggaa accattgcac attcaccnt catggcttat gccatgttag cagtgggaga 300
cagcatggta tgtgaagcgg aacctatgat tttttt 336

<210> 23998
<211> 334
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-H2
<400> 23998

ctatcatcat cttctccgat ccatcaacaa tcgccgagag cgatcgagag ataaataaag 60
atgaagaaag tggcatcatc gtcagccgtt ctcttcgtgc tagccctgac gctagtttgt 120
gccccgctga tagcagaggc aaagaagaag agagtcgccg ccgccgccgc cgaggagaag 180
aaggtgcagg acaacttctg ctcgacgctg tgcgagggca ggaaggggat ggacctggtg 240
gtgtgcaagg agtcctgcga cctctcacag cgctccaacc tgggtgctgta cggccggatc 300
cagtgcagg gcaagtgcac cgagcagaag ggca 334

<210> 23999
<211> 368
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-H3
<400> 23999

gcgcgacggt ggagatggag tgccgtcact tcgagtcgca cgaggtccac gacaaggcgg 60
aggcgacgac ggacgccggc ggggtgtaca ggatggagat cagcgggtgac caccaggacg 120
agatctgcga ggtgctgctg ctcaagagcc ccgaggcgga ctgcgccgag atcgagcgca 180
cccgcgaccg ctgccgcgtc ccgctcacc gcaacgacgg catcaggcag agcggcatcc 240
gatacgccaa ccccatcgcc ttcttccgca aggagcctct cagcaactgt ggcgagcttc 300
ttcgcgtta cgaccttttc aacgagacgt tcgagaattc ctaagcgtca ttttggtttt 360
tttttttt 368

<210> 24000

<211> 386
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-H6

<400> 24000

```
cccacgcgtc cggatcaaac ggggccttat tcgctgcttc actggccgta aattcgcaat   60
gttgatctgg ggaatgaatt aacaaactcc aatttttggg tctctgggtc cttcaagggg  120
tcgggtctgc acgccatctg ctggcatat gaaatctgct gagccgtcaa caccacttgg  180
agtaacttat tcgatgagtt catgatttat tgatttattg cagccagaaa tcacgcagct  240
gaggcttggt cgtttctatc ggattgcacc cggaatcggt ccagctaata aaagtttata  300
taaattagag aagcaatccg ggtaggaatc gttccgaccc aacaattcga cacaaacgaa  360
caaggcctta agcttggtct gtattc                                     386
```

<210> 24001
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-H8

<400> 24001

```
cccacgcgtc cgcccacgcg tccgcccacg cgtccgggtg cagcgcgcga gcgcgttcgt   60
gcggcatgga acagaacgac ggctcggttc tcgccgtgcg acgcctctcc ggcggcgcca  120
tccaccacca tcgccaccac tcttcgcggg ctgaggctgt gggcgtgtcc acggcgtgga  180
tcgggaaggg gcttacgtcg tgcgtgtgcg cgcaggggac ggagagcgac gggcgccctc  240
ccttcgattt gagtccatt caggaagagt gcttgcatag gttgcagaac cggatagagg  300
tgcagtatga tggttcaaat ctagagcatc agaaagcact ggtggccctt tggcatgctt  360
cttttctgga aactgaactt ctaagattag tatcaga                                     397
```

<210> 24002
 <211> 461
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-H9

<400> 24002

gttgtcccta gagaggaagc aaaggcacat gaccgtcgtc tccgggtggg acgacgagtc 60

cggcctgctc gatgcgatgg tegttagggc cagccccgtc tgtgagtccc gtcgcaagag 120

gcgagcctcc acctgctcca acaatgacgg cgccggatcc aacaccaaata acggtgatac 180

ggttgacaga ccaccaagga tccaccttcc tacaatgggtg tgggtgcaaaa acaacaacat 240

ggtctacaca gcagtgcctc taacgcacgg aaggacaaaag gcagacgcca cagagtatca 300

ttgaggaaat catgtctctg ttattaaatg gttcctgcac atctgctttg agctgatcac 360

cacgccttgt ggacacaggg actgtgttcg aggagcctat tatatgcaca aacattccaa 420

gacttgttct aggatggact aataacgcca tctgcagtgg a 461

<210> 24003

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-G1

<400> 24003

gccagccatg gcgactaggg tttggctcac caccctctc ctcgccttcc tctcgtcgc 60

caccgccttc accgcccagag ttgctagagc tgattcggga ggaagatgct gctgcagctg 120

aggttgttga aggggctgat ctaggtattg tgggtgatga tacacagggt tccagtgcgc 180

gacctttaag cctgctcct ggtgtagaga cagtagttgt attccccaaa aatgctggca 240

aaattgtact agcatgtgaa gaaactgaat tactatgtgg tctgcaaaat gaggggtgaat 300

cgactttgaa tggtggtgct ggtcattcaa ctcttcatct ttctttttac cataata 357

<210> 24004

<211> 340

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E10

<400> 24004

cgagaacctg ctctttctct cgaccattga tccctccaag gaccccatc gctctggcct 60

cgaaccttgc cttgagaggg ctgagggaaa ccctaacggt gaaggcggga ttaatgcgat 120

tgacattatt ttaatgatga aagcaaggag ggtgcttgca aagcttgctg agaaaagaaa 180
atcggctgtg gaatcttcac gctcagaaag gaccttgggt ggaattgac ttacatccaa 240
gattgtagac tttgggaatg cttgctgggc cgacaaacaa tttacagatt ttattcacac 300
aaggcataac cgggcaccaa aggatattct gcaagatact 340

<210> 24005
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E11

<400> 24005

cccacgcgtc cgcccacgcg tccgagcgac atttcgaata acacagttga gcgcgacgat 60
gggatccctc gctaataaca tcatggtcgt ggggtgctgc cttgcagcgc tcgtcgccgg 120
cgggtcatgc gggccccga aggtgccgcc cgggtcccaac atcaccacca actacaacgg 180
caagtggctc accgccaggg ccacctggta cggtcagccc aacggtgccg gcgctcctga 240
caacggcggg gcgtgcggga tcaagaacgt gaacctgcc aacctacagc gcatgacggc 300
gtgtggcaac gtccccatct tcaaggacgg caagttgcgg ctcatgctat gaagtgagat 360
gcaaggaaaa acctgagtgc tcgggcaatc cagtcacggg gtacatcact gacatgaact 420
acgagcctat cgctccctac cacttcg 447

<210> 24006
<211> 180
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E12

<400> 24006

cccacgcgta cgcccacaca tgccatctac attgaacata tcacacttca togtacgat 60
tgtatcccta actaataaca tcatgtctta aattatagtc cttctagtgc togatccag 120
atgttcatac agatcctata ttgtgtcttc atgtcactac attaccacca actacatctt 180

<210> 24007
<211> 378
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-E3

<400> 24007

agcgttgccct tcccacggtg gctggagcta ctgattcaga agtgcaaagg cctgcgacgg 60

tttgagttgc agtgtgtgtct gtcattgctc aggagctgcc tcgacggtgg caagaactgg 120

catctcgtgc agcagatccc cgagggtgcgc atcataagct gcgatggcaa gagatacttt 180

cgggtataaca agagccgtcg catctacgaa actaatgcac agtcagaaga atgaagccat 240

ttctgaaaac cttggcacga cactggtttg ttttgggtca gccacacgtt tcagttgtcg 300

ctgtccctac tttgttccgg gagtattgag agcttgtggt ctggtcacga ttgattcang 360

tgttttcctt tggtttgc 378

<210> 24008

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E4

<400> 24008

cccacgcgtc cggaagaagt tagagagctc aaagaacaga ttgcttgccct cagggcagca 60

ttagctagga aagatggagg tcaagagagc attcgaagca ctcaatcaag cccagacata 120

tatagaatga gaacgggcaa tggattacct gcgttgaggc acccaatagt agatggaagt 180

atagagaacg actcggcatt gggagatttc gctgagcact cgccattcgg gagcagcaat 240

tcgctgccag agttgggacc agatggcaca caagatctag ccttctacca aagaagcagc 300

cctgaacagc aatggagctg gtccgggtct gttgcaacag aagattccga tgacttcgag 360

gttgcaacga attgctcgtc agatctgga 389

<210> 24009

<211> 248

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-E5

<400> 24009

gatctgggct ggagctanaa ccgagggagg cgcgccatgt tgctgcggct ggctgctgcg 60

gctcccagtt ccgtatatat catcgttatt attattatgg tataataact ttgctcgcga 120

gacaaatgga ggttctctag gtagtgtctc taacctgtcg tactgacttc tgcgataga 180

agagaatggg gccacaaact tctttattat ccatggatgg ataggataga tcacgttcta 240

gatcgcga 248

<210> 24010

<211> 264

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-E7

<400> 24010

cggacgcgng ggcggacgcg ngggagctcc gccaccacca ccaccaagcc caacaacagg 60

gggcncgcga aaanaangaa gagccgcagc acggcaacaa cggccgcgcg cgaggagcaa 120

gcccncgcgc aagngggcgc caccgccccca caggaagcgg aggcaaagaa gaagagagcg 180

gctggacagcg gctaggcggc ggaggcgaag aagaccagc acgacggcag cagcagcgag 240

agcgagggca agaaggggac ggac 264

<210> 24011

<211> 302

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E9

<400> 24011

ctaattgctg accctccatt aaccgtagcc ttaacactgc tcgattgatc ctggcttcag 60

gggcacgtcc gtgtcatgga tcgaagatta cttattaaat gtagacgaac acgcctcgaa 120

tggccactat taatgaaata catgtactgc atgaaggacc tgcgatgata cattcttctc 180

acgtgtctta aactcacctt attcatacct aacattgcag caccactgtc attttcctta 240

cagtcttaga agccttcacg tatgacatgt acctactcag ctaagtgtac aaggcgcgcc 300

cg 302

<210> 24012
<211> 332
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F1

<400> 24012

gttcgggatg gtgatttttg cagcaaacta ctactatttg gcaaaaagat cagaatgggt 60
actagcgctc tctattggaa gcaagtcaca cagggcgaga cctaaactaa ttttaattatg 120
aagtgtgaac aatagaggag atataaatag tgtgaacaat gaactggagg agacagaagc 180
ggggagatcg aagacaaggg aggccttatg tgcattgaca tcttcggctg cacaatggg 240
tgttgaagt attgatctgt aagctacaaa tgtatgaagg ggagtgaagt ctttcctac 300
atgttccttc tggggctatg gccatattgt tt 332

<210> 24013
<211> 318
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F10

<400> 24013

aacaaacata caaacacaca ataaaaaaga attctaaca caaaacaaa aagatacaaa 60
tcagaaaaaa agaatagtta ggtccgcgat aatcaatcga acgaagctgc atgctgctac 120
cgcccgaccg caacatgaag atgacacgga cgatgtgcct aggcctgctg cttctactac 180
tgccggcgcc gtcgacagcg actgctcatt tcacggtcgg cgatgtggat gattacgtgt 240
ccaagcgcac gcaggagtcc acccacatga acatcggtgg cgcagacatc gatgacctca 300
tctccagtgc ggcgcgct 318

<210> 24014
<211> 455
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-F11

<400> 24014

accatgacgc aggaaaagac ggtggtgctg taccctccc tgggcgttgg ccatctgaac 60

cgcattggcg agctggccaa ggccatcctc cgccacggca gcgtcgccgt taccatcgcc 120

gtcgtcgacc cgcccagaa gcacgcccgtg ctagctgctg cgctggcccc cctggcagcg 180

gtcagtcctt ccatcacggt ccacctctc cccatcccgc cctgcgccac cagcaagcag 240

cattcccacc ccatcatgcc catcctggat gcgctccgcg ccgcgaacct cgcgctccgg 300

gcgttccttg ccgcgcgagt ccctgcgctc gccctcgtg gtcgacatgt tctgcaccga 360

cgcgctcgac gtcgcccgg agctcgcat cccgcgcac ttcttctacc cgtccgccgc 420

cggcgacctc gcggtctacc tncaggttcc agatc 455

<210> 24015

<211> 217

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F12

<400> 24015

accacgcctc aggatacgac cgtgctgctt ttccaaatgc taagcgtgaa ctatctaaac 60

cgaatattct acttgacaaa acaacattct caacaccata ctcatcctac ttactatcat 120

cgtcatagat cttacataga aacactacct actcactact gtactactcc tactagcacc 180

ctgttacatt atcaacaaca gtccatatca taccat 217

<210> 24016

<211> 317

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F2

<400> 24016

cggacgcgtg ggctgacaca tgaacatgct ctcgggtgca gtcacgcgaa taacaaatag 60

gacgcgtcaa caacagccag ctgcgaaaa taatgaagag ccgcaacatg gctatcatct 120

gccgcgctct tggtgctagc cctcgcgcta gtggcgcca ccgaccgcac aggtagcgta 180

ggcatagaag atgagagcgg cggacagcgg cgaggcgcg gatgcgaaga agatccaaga 240

ctactttctgc tggacgctgt gcgaaggcaa gaaggcgacg gacccggtcg tgtgcaagga 300
gttctgcgcg ctctacc 317

<210> 24017
<211> 300
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-013-Q1-K1-F3

<400> 24017

caccaccca tcaaggttgg ggccgccagc agagttcagc cgttcctgtt cctgataaaa 60
cgagagaagg atggcagtgt ctcaggagc tgtcctattc ttgtttctcc tcctcgtcgc 120
agcagatgtg ggaaccatcg atgccaaaat gggagtagcc atgcccatgc atgccttgat 180
aatggagaaa gcgaaacagc angagaagga gaagaaggag gagaaaagca cggagaatga 240
agagagtcaa tgcttatcgn cgagtcttca gttcgagggc ttctgcttaa cagcgacaga 300

<210> 24018
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F4

<400> 24018

ggcgtgttca agtacaacct catcggggac gtgccgccct ccaacacggc cccaccaag 60
atggcgccca acgtcatcag cgccgagttc cgcacgttca tcgagggtgt cttcgagaac 120
cccgagaaga gcatcgacac catccacatc gacggctacg ctttcttcgc cgtcggcatg 180
gggcccggca aatggacggc agcgtcgcgg agtacgtaca acctcctgga cacggtgagc 240
cggcacacga tccaggtgta cccaaggctg tggacggcgg tgatgatgac gttcgacaac 300
gcgggcatgt ggagcgttcg ctccaacatc tgggagaggc agtacctcgg cgagcagctg 360

<210> 24019
<211> 341
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F5

<400> 24019

atccaaacca gacaagcaag gaatcccccg atgggtcatc gcgttctcct cctcctctct 60

gtcgcgtcgg ccgccgcggt tgccgccgcc gtcgacgcgg aggaccgct gatccggcag 120

gtggttcccg gtggagatga caacgatctg gagctgaacg cggagtccca cttcctgagc 180

ttcgtgcagc ggttcggcaa gtcctacaag gacgccgacg agcacgcgta ccggtgttcc 240

ggtttcaagg ccaacctgcg ccgcgcgcgc cggcaccagc tgctggacct gtcggcggag 300

cacggcgctca ctaagttctt cgaccttacg ccggcagagt t 341

<210> 24020

<211> 132

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-F6

<400> 24020

cataggcgcc cgcatggact ctggccggat catctacttc atctaacaga aggacgatgg 60

gggacgctac nagtcgcacc tggcgtaact ccagccttac agttccacta acgacaccgt 120

gcacgcccac gt 132

<210> 24021

<211> 310

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E1

<400> 24021

cccacgcgtc cgccaaaaca tagagtgtcg acttttctat tgggtgtgatt gggggcacta 60

aatacgtaac acattgcact cagactacat atactgtgtt tgtgtgttgt atgccgtatg 120

cgtgtgtgag cttgcgcaaa ttggacatct aggccgtgcg taccctgcga tgaaaggcgc 180

cgtcatcggc gcatcgaccg tcctgggtcgt ggcgggtggtg gccaccatct gcgtcgtttc 240

cttcaaaggc agcggcgatg gcgggagggc cgatgagggc gagatgtcca cgtcggtgaa 300

gtccatcaag 310

<210> 24022
 <211> 312
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-F7

 <400> 24022

 cggacgcgtg ggtaggtca ctgggaggaa ccatgctgtg gaacatgttc cagtggtttt 60
 gcgctgctgc aaagggtgt ggcttcggag tgttccctat ctttggcctc gaggcataata 120
 aacacggatt ctacttcgac ttctgcatgt ccaacatcgg catcggcatg ctgtgcccgt 180
 acaccatcac cgtgtccatg ttcatcggga gcgtcgtctc gtggggggctc gtcttgccgt 240
 acctcgcgac caaggcgggc gtctgggtact cttcgcacct cagccccagc aggcctcagc 300
 ggcatcaggg gc 312

<210> 24023
 <211> 221
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-F8

 <400> 24023

 gttctgaaaa tgaattcttt tgaggctacc tctactgcta ttagtcaagg caggtacaac 60
 gcggagtctg tggggagtga tggtaggta cacatggagc aaggccctgt cctgtaagcc 120
 ctgcattatc cacttggtgt tgtaaaatga attgcatgtc ttactcgat agaaggtaat 180
 atgtgatgtg tcgcaagggc atgcagtcac agttccaatg a 221

<210> 24024
 <211> 381
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-F9

 <400> 24024

 gccacgcgtg cggccacgcg tgcgcttgca ttctagcagc aaagcaaaga ggatcggatc 60
 agaagaaaag aatagttagg tcccggaggt cgatcgaacg aagctgctga tgctaccggc 120

cggccggggca tgacgatgac acggacgatg tgccctaggcc tgctgcttct actactggcg 180
gcggcggtaca cagcgacggc gcatgtgacg gtcagcgatg tggatgagta cgtgtccaag 240
cgcacgcagg agtacagcca caggaacaac ggtcgcgcgg ccatcgatga cctcatctcc 300
agtgcgggcg gcttccacgc caacgtggat gcacgcctat ggccgtagat acgacctgca 360
ngacgaggca gcagctaccg t 381

<210> 24025

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C10

<400> 24025

ggattcttgc cagtgggtgtg catgttggtg tgggcacacc atgacgtgtg tttgatatgg 60
tgcgcaagca gtctctgcgt cccgacaaca tcaagatgtt cgtgttggtg gaggtgatg 120
agatgctctc ccgtggattc aaggatcata tctatgatat cttccagctt cttccatcca 180
agattcaggt cggagtcttc tcagctacca tgccccctga ggcccttgag atcacgcgca 240
agttcatgaa caaacctgtg aggattctcg tcaagagaga tgagctcacc cttgagggta 300
tcaagcaatt ctatgtcaat atctacaaga acattggaag ctgcacactc tgtgtgacct 360
gtatgagacc ctggcaatca cccagagtgt catctttgtg aacacacgcc gcatgggtgga 420
ctggc 425

<210> 24026

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C12

<400> 24026

agctcgtttg attctgattg ccagtactta ttttaacagt aaaacctttg tctattgagc 60
ggttcaacct tcgtattcgg aatctcgacc tgtcacataa attaccacaa caatatctgg 120
ctatectcta tcaagccttt attgtgacga tgctttctca tccttatata tctactttta 180
ctattattgt tatccataac tcactactg ttacatttgt caccaccaa tttagaacca 240

aatctccgta tacacctttg tcacacatgt tagattttaca ttactgctca cctgaccctg 300
 atagttatag cgcttaatac tccaggatat cgacgcgaac ggcacgtaca cgatcgagct 360
 caaggacagc cacgaggagg acatctgcga ggtggtcttg gtggaaagcc cgcgcaagga 420
 c 421

<210> 24027
 <211> 281
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C2

<400> 24027

cccacgcgtc cgctaagatg aagaagggtg ttcgcattat aaatgttgca cgtggtggcg 60
 taattgatga agaagctcta gtcagggcac ttgattcagg ggtagtagca caggctgctc 120
 ttgatgtttt cactaaagaa cccccagcag ctgacaacaa gttggtactg cacgggaatg 180
 ttactgtcac acctgacctt ggtgccagca cagtggaagc acaagaaggg gtggctattg 240
 agatagctga agctgtcatt ggagctctga aaggggagct t 281

<210> 24028
 <211> 58
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C3

<400> 24028

aatcaaaaaa aaataaaata aaaaaaaaaa taaaattaaa aaaaagacac acgtaata 58

<210> 24029
 <211> 333
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-C4

<400> 24029

cgtagctaag cacttcacag gttatggcgc agcctccact gggaccaggt tctgggcaag 60

cgctgttctg atcaatgcc a tctttcgagc tgtacctgtc gcaccggaat cagtatggct 120
agaaggtgca ggcttcttgg agaaactgca tgccacagag attttgaaga ggttctatca 180
gcaggcggca tcggtctatc ccttctcctt caagctgtgg cagccccatc tgaattactg 240
caaagccagt gggagcaaca ctgagagcat cctggaaagt gcgaagcaac gtggcatcga 300
gcctaattctg acaccaacat aatgggtccc ttg 333

<210> 24030

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C5

<400> 24030

gcggcagaga gcgctccgcc gcacctgctc ctgatatgct tcccggggca gggccacgtg 60
aaccgatgc tccgcctggc caagcgcacg gcggccaagg gcctcctggt gaccttctcc 120
tcgatctcca gagtcggggc gatgctcgcc gcgtccgtgg gcgtgtcggc cggcggtgac 180
ggcgtgcctg tggggcgggg ccgcgtccgg ttccagttca tggacgatga agaccccgga 240
cctgacctgg acgacctctt gcggcacctc gcgaaagacg gcccgccggc gtttgccgag 300
ctgctggaac ggcaagcgga cgccgggcgg cctgtggcgt gcgtggtggt aaaccggttc 360
atgccgtggg 370

<210> 24031

<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C6

<400> 24031

cccacgcgta cgactaatca aattcttgtt gggatatatt cctccaattc cctcctgct 60
ggcaacatgg caacaacaat ctgttccggc cgccaaacaa aacaaaaaa aaaacacact 120
gaacccaata atccgatccc acagaaactt ttctctcggc ccgttcgacg gatcgctgcc 180
gtgtcgtttg ccagacacca tcagcaccca aaaccatggc ctgcaacctg gctcagtgcg 240
ccaccgccgt cgcgggcgacc gtcgcgcccc gcaccctag ccctgctgcg 290

<210> 24032
 <211> 372
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C7

<400> 24032

```
cccacgcgtc cggcgcaacg tgtgtggaag atggcacggt aaaccaggaa cccatggccg   60
gttcgaccgc cattgccgat cggaggatga acaccagcac ctaagaagat gtgagagacc  120
gagggagaga gaataagaac gccctgtgcy gatctccctc aaacgcgaga cgctgggatg  180
gatgacctcg gggccgcgcc gctcgcaaat tttggcccg ccttgggaa tttctcgcca  240
tcgaagttaa atccgccgta gatccgtttt cgccgtggcc agaggattcc gcgccgctaa  300
gcttgagaac gagttggtcg aagaacccga agaactcgca agagaagccc ctgagcagca  360
atcggttggt gg                                     372
```

<210> 24033
 <211> 309
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C9

<400> 24033

```
gccacgcgtg cggccacgcg tgcggttgca ttctagcagc atagcaaaga ggatcggatc   60
agaagaaaag aatagttgcy gtcccggagg tcgatcgaac gaagctgctg ctgcataccg  120
gccggccggt acatgacgat gacacggacg atgtgcctag gcctgctgct tctactactg  180
gcggccgcgt ccacagccac ggtgcatgtg acggtcggcg atgtggatga gtacgtgtcc  240
aagcgcacgc aggagtccag ccacaagaac aacggtcgcy cggccatcga tgacctcatc  300
tccagtgcg                                     309
```

<210> 24034
 <211> 351
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-D10

<400> 24034

gtagctgaga aggtggtggt ggaggagccg gctgcggcgg ccgacgttga gcatcagagg 60

ggtaatgagg tgctcgctcc agaggcggcc gtcgccgagc ccgaccacaa ggaggaggaa 120

gccgtggaga agaccgtctt cgaggacgag aagccagcgg cagcagccca tgcagaggaa 180

aaggtcgcca ccgccgccga gaccacgact acggtggagg cgaagaagaa cgccgaggag 240

gccgcgaagg agaagctggc gcagcaaagc tgatcgactg tccgtgcatg cgtgccaatt 300

aatataattg gctgatgatg cctgatgttc aagtatact attatcgatc a 351

<210> 24035

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-D11

<400> 24035

caccacagcct agctgcgcca cgctggcacg ctccatgcca aggacagcag ctaggctggg 60

tggtcggccc gtcgtgctct gtttcgcgct cgatcatcacc cacgtctccg cggccctgtt 120

cgcctagcca acggctaccg gcgcggaaac cccaagaggg gcaacggacc cgcgatttaa 180

tccaggggtc gggatattct ttactactaat tagagcattt attaaattaa agtgaccaat 240

cagttaattct ctggcctgga ccttagagct aagacactat attttgtgca ggatccatgc 300

ctggattttt ttacacattt aatccttaga cactttaaaa cataacttaa gacactcatt 360

atacatgccc taaatggacg ccataaatgg acgccatcta cgtgtacctc ggtatactat 420

accgctacgc catataaacg tatacctgcc gtctcactac 460

<210> 24036

<211> 87

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-D12

<400> 24036

gccagacgag tgccccgctg acacgcttga tgcattatag cagctctctg ggggggatga 60

cgagctgctg tgcattgcga cgatcatg 87

<210> 24037
 <211> 341
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-D2

 <400> 24037

 cccacgcgtc cgcccacgcg tccgcccacg cgtccggaca aaatcagaga ttttgcagaa 60
 tgtagcggag ttccagtttt cttgtgtcct gtacaatggg gccctagaga atgcatgcag 120
 tgagcttgga gcccgtatgt ctgccatgga cagctctagc agaaatgctg gcgatatgct 180
 tgatcgtctc actcttactt acaacaggac acgccaagca tccatcacca cagagcttac 240
 tgagaatata tctggtgcat cggcccttga ggggtagtga aaaaactgcg gacttcttcc 300
 ttttgccgga tgtgtttctt ttccatgaaa gctttttccc t 341

<210> 24038
 <211> 150
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-D3

 <400> 24038

 gcgaggacgc gccgccagtt gttgctggaga ccgctgacgc caccaccacc actgaggtcg 60
 aggtggacgt ggagtcctgc aagaaaggag ctgcgccggt gccatagccc atcgatgctt 120
 gcgacgcaga ggacgacctg gtggcggaca 150

<210> 24039
 <211> 313
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-D4

 <400> 24039

 ggcggcaggc gtcaaggaca cgggtggcggg cgcggcgggtt ggcgtcacga acacggtggc 60
 gggcgtggcg gcgggcgtca cgaacacggg cacgggcgcc gtggcggcg tcacgaacac 120
 ggtgaccggc gcggcggcg gtgtcaagga caccgtgacc ggcggccact gatcgacgac 180

ccaagaatgc ttcattgcatg gccaaagtgtt gaggggtttga ggccaaagat ggcttgaatt 240
 tccgtccttt tttgctttat tttttgacat tattgtttta acatgtttca ttcacccgctc 300
 tctgattggg att 313

<210> 24040
 <211> 320
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-C1
 <400> 24040

gngetcgact cgggagangg ngncagccac acngtcccca ncnacgaggg anacgcccnc 60
 ccccgcgcca nccaacgncn cgaccnggct ggccgcgacc acaccgacta ccgcaagaag 120
 agccagacag aacgctgtta ctcttcacc accactgctg agcgggaaat tgtcagggac 180
 atgaaggaga agctcgcta cattgccctg gactgcgacc aggagatgga gactgccaag 240
 accagctctt ctgttgagaa gagctacgag ctgcctgacg gacaggatcat caccattggt 300
 gctgagcgct ttcgctgccc 320

<210> 24041
 <211> 391
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-D6
 <400> 24041

ccacgcgtcc gtctcgctcc gttccggcgc tctcggtcgg gcgaaggctc caccttcctc 60
 ggacaagatg gcggggaagg gagccaaggc cacggccgcc aagtcggcgg acaaggacaa 120
 ggggaagaag accggcggcc ccgtctcgcg ctctcccgcg gccgcacccc aggagaagtc 180
 agctccgaag aaagatgttt atcaattggt cgctgagaag gtcagggata acaaacaact 240
 ggaatcaaga tgggcatca tgcaagaaac ccgctgggag tatttccgtg gaaaagattt 300
 caataccttc gtcaagaatc atccagaagt cagggaatt ttggggccag ataaggattt 360
 atagggtgaa gacattggta acactttgct g 391

<210> 24042
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-D8

<400> 24042

 ctgactcgnc tccctgctcg tctacagcga cggcgaaggc gaagcggagg agcgggagcg 60
 ggaacagaag aggcagccat ggccgtgatg gagaagctca agatcttcgt tgtgaaggag 120
 cctgttgctg cagcttcctg tctcatcgcc ggattcggtc tctttcttcc agcagttgtc 180
 cggccaatcc tggattcatg ggagaccgca gaaaaagttc ctacaccacc tctaaatgat 240
 gtggttgctg gtgtcaccgg caagaaaaag tagtgaactt gcattggttt ctcatgtcga 300
 tgctggccca cattttctta cccatgtttt ttctggcggt taatattgga aaggtcttca 360
 aaggcacggt tttcaaagtg acacattggt tgaattt 397

<210> 24043
 <211> 388
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-D9

<400> 24043

 gtccctgcgtc accctccatt aaccgtagcg gcagcagcgc tcgtttgatc cccgcggcgg 60
 gggggcgctc gggtcgggga gcgaggatga cggagtcctt ggtgcggaac aagccgggga 120
 tggccagcat caatgagatg ccggtgctgc atgacgggcc gccgacgggc ggtttcgcgc 180
 acgtgcgcta cgcgcgccgg attccacact agggccccag cgccactgcc atcttcctca 240
 cggctcttcg cgccttcacg tatggcatgt actcatgtcg gtcaaggga caaggtgcgc 300
 cggacactca aagaagagaa aattgctgct cgatgctata ctgccgatgc tccaagctga 360
 agaggatgaa agatctgtca aagagtgg 388

<210> 24044
 <211> 367
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A12

<400> 24044

cccacgcgtc cgcccacgcg tccgcccact cgtccgcca cgcgttcgcg cacgcgtggg 60
gggtgctgag ctctccaagc tcgctcgcaa cgcgttcctg gcacataaga tctcctctgt 120
gaacgccatc tccagccctc tgcgacgcca cgggcgcgaa tgtgactgac gtggcttacg 180
ccgagggcaa ggacactagg attggcccca atttcctgaa caccagtgtc gggttcgggtg 240
ggctcttgctt ccagaatgac atcctgaacc tgaagtacat ctgctagtgc aatggcctgc 300
ccgacgtggc caactactgc aagcaggtga tcgatcaacc actaccataa cagcctcttc 360
aataacc 367

<210> 24045

<211> 342

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A2

<400> 24045

cggacgcgtg ggcggacgcg tgggtagagc tgggtgtgaa ataagaactc ttttgaacat 60
acgagtcaca taatattgta gggctcttgc aaaaatcttg atgtgggtg gcagctcagt 120
ttccttggtg cagcgtctga tacatagaaa gacagtcata agaatcctta tgatccatct 180
cacagattgc tccaggtatg ccagtgggat ggataatata atttggctga cagctatttc 240
atcggaacag tccgatatcc tccgaaagaa gaacaaaaga aaaaaggca ttgctcaatt 300
ttatagagta gtcaatccat tcagttctat caagagaatt ag 342

<210> 24046

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A5

<400> 24046

cggacgcgtg ggcgagagag gaacgcgaac aaccaacgat cgctcatcg ccatggctcg 60
gtctgtcccc atcgccgtcg ccgtcgcgcc tctgtcctg ctctcctcg tctccactgc 120

gtccgctgca cggaccgtgg gcgacaccgt gcaggacgcg tgcagcaaga cacaattccc 180
 caagatctgc gtggacagcc tcgccgcaaa gccagagagc cagaaggcga ccccgcgccg 240
 gctggcggag ctgttcgtga acatcgccggc cgagaaggga tccgggatgg ccacgttcgt 300
 gcacgggaag tacaacaacg cc 322

<210> 24047
 <211> 161
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-A6
 <400> 24047

cggacgcgtg ggttgtggct gaattccttg gtctaggac acggtgatga caaagtgtgc 60
 gagaagttca tagtgtacca gtctgtgctt tggagttatt ggtctcttgt atcttcggga 120
 tgtcgcagac ccaaaggttc tttggatggg gtatgagccc t 161

<210> 24048
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-A7
 <400> 24048

tccatttccg gctttccgcc accaccccc ctctctctct ctcttcttct tcttcaatcc 60
 tgcctcctcg cgctggagtt ggaggagag gggacaagct ttccggcgcc gacgccgacg 120
 cggaccgggc gccgacacga tccggtggat caagtgcac acaccttag ggaggcccct 180
 tggacagcag tttgtgctgc aaattctata tagctctgtc gcagcatggc ctcggtgggc 240
 gtggcacgct cttctttggg atttcagaat ggcacaagtt ctagcagtga cccagatcgt 300
 cttcccaacg agttgggcag tatgagcata agggacgaca aggacgttga agatattgta 360
 gtcaatggca atggggcgga acctggtcat atcat 395

<210> 24049
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A8

<400> 24049

cgcaacaaag gatgggacag gggttcgtga ttatattcat gtggttgacc ttgctgaagg 60
agatcttttc gcattaaaga agctttttga aagctcatct aacataggat gtgaggcgta 120
caaccttgga actggaaaag gaacatcagt gttggagata gtcaatgcat ttgagaaggc 180
ttctggaaag aaaatccctt tggatcatggg tcaacggcgt cctggtgatg ctgaggttct 240
tttttcatcg ccggcaaaag cggagagaga gctgcactgg aaagcaaaat atggcatcac 300
agaaatgtgc agagacctgt ggaactgggc tagcaagaac cttattgat 350

<210> 24050

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A9

<400> 24050

gttgtcccta gagaggaagc aaaggcacat gaccgtcgtc tccgggtggg acgacgagtc 60
cggactgctc tatgcatggt tcgttgaggc caccgccgtc tgtgagtccc gtcgcacgag 120
gcgagcctcc acctgctcca acaatgacgg cgccggatcc aacaccaaata acggtgatac 180
ggttgacaga ccaccaagga tccaccttcc tacaatggtg tgggtgcagat acaacaacat 240
ggtctacaca gcagtgcctg taacgcacgg aacgacaaaag gcagacgcca cagagtatca 300
ttgacgaaat catgtctctg ttattaaatg gttcccgcac atctgctttg agctgatcac 360
cacgccttgt ggacacaggc actgtgttcg aggagcctat tatatgcaca aacattccaa 420
gacttgttct aggatggact aata 444

<210> 24051

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B1

<400> 24051

cccacgcgtc cgggggtgcg cgacgttctg ggtcggggag gaaggggagg ccccgcggcg 60

ggtggcgggtg cccgtggcgc gcctgggcca cccgcgaatg ctggagctgc tcggggagggc 120
 cagggaggag tacggcttcg cgcaccaggg cgccgtcgtc gtcccgtgcg ccgtcgagcg 180
 gttcatgcgg gcggtggaag cctcggcgtc ggcggggaac aggcacgagc accaccgtca 240
 cggacaccat caccaccact ttcgcctgcc tcatattcac atcgcccggg gcttttagacc 300
 gtcgcacgtc gttgcttagg attcacgtcg agcgcgcgcg agtagcaaaa aaatttcatt 360
 ttcttttttg tttggaagtg gcaagaattc tggttttttt tcttct 406

<210> 24052
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-B10

<400> 24052
 ggggcgggtg cgggtgaggg gcaggtcgat gtcctcaaga aggcggaaac ccgcatcgat 60
 gagctcaagc agcgtgcccc ccgtcaagga ctgcgaggcc atctgcgacc tcgtctactc 120
 gctcttcgtc tccgaggagg tggacaaggt ggagctgctc tactccaagt tcgtgtcgct 180
 ggtgcgctcc gaccccatca tccagacgtc gtccccatg tcgccaagg gcgagatctg 240
 cgacgtcaac ggcgtctgcg tggacgccac ggaggacgag ctcttcgct tcaccaccaa 300
 ggaggggaag ctaccgtgg agcgcgagaa ggaagatcga gacgcagccc ttctcccccg 360
 tgggtgcagtt cgagcaggac cccgtgcaga tcctggacgc gctgctcccg ctctacctca 420
 acagccagat 430

<210> 24053
 <211> 392
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-B11

<400> 24053
 cccacgcgtc cggagccagc ccatgcttcg gagtcaccag cagagtctcc tggccccggc 60
 gctgaccacg agagcggcag cccgagcatg ggcaccgggtg tcgtcctggc catgctggcc 120
 gccgctgcc a cgtgatgct tcctttctag atgaccatgg tggctttgag ctaacatcat 180

agtcacagag cagcaattct tctgggaatc tgtgtttctca tggatcatgca tgggaatggg 240
agtcgatatg actacgctta ttaggagttt atgaatttct cctcaagata tctaggcctt 300
tgtttcatcc tttgggactg gttgggttaac ttttgcattg ttttcttcgt ttgtaatttg 360
aatgacaatc aatgaattta ttgtgtagtt gt 392

<210> 24054

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B12

<400> 24054

ctcaagccag acatcacggc gccgggggtg aacgtcatcg cggcgtggag tggcgcgacg 60
gcgcccacgg acaagtcgtt cgacaagcgg cgagtggcgt tcaacatcct ctccggcagc 120
tccatgtcgt gcccgacgt ctccggcgtc gctggcctga tcaagaccct ccacccggac 180
tggagccccg ccgcgatcaa gtcggcgatc atgacaagcg cgacggtgct ggacgcggag 240
atgaagccga tcctgaactc gtcctacgcc ccggcgacgc cgttcagcta cggcgccggc 300
cacgtgttcc cgagccgcgc gctggaccca gctcgtgtac gacatgagga cgatgaacag 360
gggatcgttc gtgtgcccga ccacccccat gaggctacac gacctcaatt acccatcaat 420
cactgcgcac ggtcttt 437

<210> 24055

<211> 276

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B2

<400> 24055

cgcacagcga tgcacaagca cgagatacca gccaccatgc gcctgtccct cctcctcgtc 60
gtcgtggcgg ccctctcggc gcgcaccgcg gcgcagctgc cgctggcggg cggcggtcgc 120
tgcgccctga agccggactt ctatagccag tcgtgcccgc gcgcggagcg gatcattgcg 180
gaggtgatgc agactaagca gatggcgaac ccgacgactg ccgctggcct gcttcgcgtt 240
tcttacacga ctgcttcgtc agccggtgcg actcgt 276

<210> 24056
 <211> 350
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-B3

 <400> 24056

 cctgcagtca tctcctccat caccaccaa ctcaacaaca gccagctcgc gaaaataatg 60
 aagagccgca gcatggcatc atcggccgcg ctcttggtgc tagccctcgc gctagtggcg 120
 gccaccgccc cacaggtagc ggaggcaaag aagaagagag cggcggagag cggcgaggcg 180
 gcggatgcga agaagatcca ggacgacttc tgctcgacgc tgtgcgaggg caagaagggg 240
 acggacctgg tcgtgtgcaa ggagtcctgc gcgctctccc agcagtccaa cctggtgctg 300
 tacggcagga tccagtgcaa gggcaagtgc accgagcaga atggcatcac 350

<210> 24057
 <211> 236
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-B4

 <400> 24057

 cggacgcgtg ggcggacgcg tgggttcagc tgtctcaagg ttgaaacatg agaatgttgt 60
 ccaagtcgtc ggatactgcg ccgaatggag caccgcgctt cttgcttatg agtatgcaac 120
 taggggatca ttgcatgata tcctccatgg taaaagggt gtcaaaggag ccagccagg 180
 gccagtcctg tcatggatgc aacgagctag gattgccgta tgtgctgctc gaggtc 236

<210> 24058
 <211> 288
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-B6

 <400> 24058

 ggaacagtga atgatttaca aagccgctgc gttccttatt ggaccgctcc agttcgatcg 60
 gttcgtccac gctaccttgt ttctttgcgc catggaggcc acgaggaagc ccgcggtgtg 120

ccgtgccctt cttgtgctgc tcatcgctgt ctccagcgcg gcggtgtcga ctgcccagga 180
cgagagctgc tggaaggacg acgaccacca ccctatctgc ttgcccgagg actgcgtggc 240
gacctgccgg gatcacggcc acgcggacgg ccgcttcaac tgggcatg 288

<210> 24059
<211> 374
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-013-Q1-K1-B7
<400> 24059

caaagcaggn caatcacatt atatattgtt ccaggtttac aaatcgtaag acaaccaaac 60
gtgctttggg gtcgaatcac aaaattatTTT gccaaaacga tacaataaaa ttatataaac 120
aagggggaaa aaatgccgaa cgaaggatgg gtggtgttta acggagcggc cacgcacaat 180
cccaggggcat ggagactact aattaattaa tgttggcggt ggtgtcgttg ttcggatgca 240
ttcaatcaca ggccttgctc tacgaggtag tcaccgagcc tctcaaccac catgttgcac 300
tgtccagggg tcatgggctc gtcgtagatg ccgatcacca gcgcctgtcc ggtcttcttc 360
acaggtatgc cttc 374

<210> 24060
<211> 235
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-B8
<400> 24060

cacagaccga caacgcccta ggcaagcagc aagcgcacac gtaaacttac acctacctcg 60
gcgagcaaaa gggaaaacgc tgatcgagc aacgaagccc gcagccatgc cgacggcgac 120
ggccacggcc acggcagctc ctgccacgc ggcgctcttc ctgcccctgc tgctgctcct 180
gctcggcctc cagccacgt ccgccggcgg cgcgcgcgcg ggcgtcgccg tggac 235

<210> 24061
<211> 467
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A11

<400> 24061

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccgcg gacgcgtggg 60
gtctgctgag ctctccaagc tcgctgcca cgcgttcctg gcacagagga tctcctctgt 120
gaacgccatc tccgcctctt gcgaggccac cggcgcgaa gtgactgagg tggcttacgc 180
cgtgggcaag gacacgagga ttggcccaaa gttcctgaac gccagtgttg gggtcgggtg 240
gtcttgcttc cagaaggaca tcctgaacct ggtgtacatc tgcgagtga atggcctgcc 300
cgaggtggcc aactactgga agcaggtgat caatcaacga ctaccagaag agccgggttcg 360
tgaaccgcgt cgtgtcgtcc atgttcaaca ccgttgccgg caagaagatc gccgtcctcg 420
gcttcgcctt caagaaggac accggcgaca ccagggaaga ccccggc 467

<210> 24062

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B9

<400> 24062

gccacgcgtc cggccacgca tcggtctggc tcgaatcggc tgcacgctga gccgagatac 60
gcggacccac caaacatcta accgtagctg cagtgccact accggccgct tgcccgggtct 120
ccggagagga agccgatcca agcaacgatg ccagccggat catagactca atttcggtac 180
acgcagacgc cgtccaaggt gctgtaccta gagaacatgc cttggcaatg caccgaggag 240
gagctcgtcg agctctgaaa accattcatg cgggtcgtaa acaccatgtg cagcgacggc 300
gataaccgaa accaggcaac cggcgagtga gcagatgaac caggcaa 347

<210> 24063

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G8

<400> 24063

gcagcggcga tggctcggcg accggatgac ctagegttgg ccgccatcac ctttgggatc 60

gtcgccttgt gcgcgcggta tgcacgggcc gtgggcacta caccocagtc aaccttcagc 120
tacaaggagg gtgaccctac cgggcctaca aaatgggcca cattgcagaa ggactgggat 180
gtctgtgaca gcggcaccga gcagtccccg atcgacgtcg ccaagggtgga ggtctctgag 240
gatttagacc cgctgcagca gacctacgag cctggctact ccgtcatgca caaccggctc 300
cacgatttca tgctgaactg gacaggaagg aacggcggcc tgacaatcga agggaagaag 360
tacaagctga agcagggtga ctggcacgtt ccctctgagc acaccgtc 408

<210> 24064

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G9

<400> 24064

tcttcctcac actcattcta acactcttaa tctttaaaca aatcacactt aaacctaatc 60
aatgcaatc ttacacaatt ggctcacttt tacaataaac tataaatcca tccaaccatt 120
atatacttaa atctacatat atcataattc acaaataaat tctataatcc taccaaataa 180
atctttatact attcctcaac ataaactctc atattgcac ttccatatac gtataatcta 240
taaaaactct tctatcacca tttatatatt caatcaactt attcaattct atttctttaa 300
tttcatttcc taaaatataa catcatatac atatcatcat tacaaaaagt ttcatttcat 360
acaaaatttc ttt 373

<210> 24065

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H1

<400> 24065

ctggagcatg cgtgcacaca agcgcgatgg ctcccaagat cctaggcatg cttgcggggc 60
gcgacagggc ctcaccggct gctctggccg gcttcgatgt gatagagatg ctggccgaca 120
agcccacgta ctacacgttc ctgaagctcc tgcgagacac caaggctcgc ggccaagcga 180
atcatctccg gtcggcgacg ctactggtcg tgcccgacga acttgccaag cctatggcgt 240

cactgcccgc ccataaggtg ccgctggcgg cggataacca cgtacttctc aagtactacg 300
 accccatcaa gctggacgag atgaagacac gaaccgacat tctgcccacg ctgctctacg 360
 taaccgacaa gaaacta 377

<210> 24066
 <211> 145
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-H10
 <400> 24066

gcgctcacgc gttcgctctc ctattcggac atcaccatgc tccatcggat cgtcacgtgt 60
 atcgtgctat ccgttggcac tctcgtagac accttgctag cctagatgaa ccggatgcaa 120
 ccggacaggg acaccgtcgg cgaac 145

<210> 24067
 <211> 419
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-H11
 <400> 24067

cccacgcgtc cgcccacgcy tccgcccacg cgtccgcca cgcgtccgcy acaagagtgc 60
 gtgcacaaac aatgcgatga gagccttggt cctgctggtc ctcttctgca tcgtgcatgg 120
 tgagaaggaa gagtcaaagg gcatcgatgc gaaagcgctc gggcctggty ggtccttcga 180
 catcaccaag ttgggcgcct ccggcaatgg caagacagac agcacgaacg ctgtgcagga 240
 ggcattgggca tcggcgtgcy gcggcactgg gaagcagaca atcctcatal ccaagggcga 300
 ctcccttgty ggacaactca actttacagg cccttgcaag ggcgacgtga ccatccaggc 360
 ggatggcaat ctgctggcga ccacggacct aagccagtac aaggacctg gttattgga 419

<210> 24068
 <211> 374
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-H12

<400> 24068

cggacgcgtg cgccggacgg aaccaaacgc cgaacgccgc tgcgctctct ctcggtgctcg 60

ttctgacccc ccagagcgag agggaggggc acccagagga gcctgtcgat gtgatcggcg 120

tctctctgcc cccgttcccg cgaggagaga acaacctgga gaaaatggcg ccgatctccg 180

gagccacggc cgtacttgtg atggccgctg tcaacacgct cgccgccgcg gttaacgccc 240

tggtcacgc ccagcacct gctaccagtg acggtacaag ttagaccag ggaatcgact 300

acgtctcat gctggtggcg cttgtctca cctacctcat ccaccattg gacgcctcct 360

tcgactacaa gctc 374

<210> 24069

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H2

<400> 24069

tgcattatta aactggaaga taaaaaatct ggggagcttt atgctagggc atttcggaga 60

gaggggtgaac cacatccggt ggaacctgta attgatagta gcagatattt tgtactacgt 120

gttgaagaga atatagatgg gcgtcagcgc catgctttca taggtttagg cttccgggaa 180

agacctgaag catatgactt ccaagctgcc ctacatgatc atatgaaata tttaaacaag 240

aagaaggccg ctgaagagat gattcagcat tatgagaagc aatcttcagt ggattacagc 300

ctcaaagaag gggagacatt gggtcttcag cttaaaaata aggaaacagg caccaagaca 360

aaatcgacat tttttgagca aggcctaaac aagctctccg ttaacgaaaa gac 413

<210> 24070

<211> 270

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H3

<400> 24070

atcaaccttg cacggtacga aacggcatac taccacacta aactatggat caatctggcg 60

cgatatcatc cgttatcgag cggattagcg gccttctacg atatcttgac ggtgccatac 120

agactaagat tctacagttc tgtgctggtg atactcgacg agccggtgag ccatggtgtc 180
aaggcaggcg ccgtactccg actattcgcc gtcacctaag gaccatctaa acctctggaa 240
gaagcggctc tagcaattgc gcaagtagaa 270

<210> 24071
<211> 339
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-012-Q1-K1-H4
<400> 24071

aaggaacacc aaaatgacat atattccaaa ccatctatac catgtgggtc cttctaattc 60
agcacactgg acatccttca gacatggcaa tacaacagc acaatagctc gacangattg 120
catatgcac atcttacaca actactgcaa agcataccat gatcatacct aaagtcgact 180
tacttgctga accactcagc ttcacatgac cttgccatgg ctacgtgacc atacatgtag 240
atagcaatct gctatcgacc acagccctat accagtaccg tgcacattat cattgaaacg 300
aaagactacg cctgcataac ctatgcatca catgctatg 339

<210> 24072
<211> 410
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-H5
<400> 24072

gaataatfff actaatcaaa ttcttggttg gatatatfct tccaattccc ctctgggtcc 60
caacaaggca acaacaatct gttccggccg ccaaacaaaa ccaaaaaaaaa aacacactga 120
accaataat ccgatccac agaaactfff ctctcggtcc gttcgatcga tcgctgccgt 180
gtcgtttgcc agacaccatc agcacccaaa accatggcct gcaacctggc tcagtgcgcc 240
accgccgccg cggcgaccgt cgcgccccgc acccctcgcc ctgctgcgtc cgcgtccgtc 300
tccttctccg cgaggaagcc ggcgggcggc agcctgcggc tgcagcggca ggcgtgctgc 360
gagccgtcgg tggcgccgtc gcgggcggtg ttgcctgcc gggcgcggc 410

<210> 24073
 <211> 394
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H6

<400> 24073

ggaaggatgg cgtcggagcc ggtggcgcg gcggtggcgg aggaggtggc gcgctggggc 60
 gcgatgcgcc agaccggggt cagcctgcgc tacatgatgg agtttggggc gcgccccacg 120
 gagcggaccc tccttctcgc cgcgcagttc ctgcacaagg agctacccat ccgcatcgcg 180
 cgacggggcgc tcgacctcga ctgcgtccca ttaggcctct ccaccaagcc cgccatcctc 240
 aaggtgaaag attggtatgt ggagtcattc cgtgaaatcc ggtcctttcc agaggtgaag 300
 aaccagaaag atgagctcgc cttcaccag atgatcaaaa tgatcagggt acgacacacc 360
 aatgtggtgc ctgcgattgc attgcgtgtg cagc 394

<210> 24074
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H7

<400> 24074

gcgcttccca aatcccccaa tcccgcgcgc caccgcgccc cgtcgccaga tctcgcgcct 60
 cgtccccggg gctcgatcgg atcagcggcg gtcggcgatt cggggacggg gtcattctcg 120
 ctaggcttgg gcggggctgg gctggtggga gccgccgagc cggggagcca tggcgtcggc 180
 gcaggcgccg tcctccgccg ctgtgccgtc gcgcaaggac catctcgagg ccgggaagaa 240
 gcggctcgag cagttccgca agaagaaagc ggcaagaag gccactgcag ctagtgcaga 300
 gcaggcaaaa gcgcctgcgc ctgatgtagt ggagaacca cctccaattg tcaatgctgg 360
 tagcttgga gatggactgg tgtctgatgt agacccaaac caagcgagca cgt 413

<210> 24075
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H8

<400> 24075

gtgatttgaa ataattggga ataaatagtt cgtgaatccc tgaagcgtgc atatatgtat 60
tcctgccaaag ataaaggtaa tggagtcgtc acgcaggttc cagccggcgc tcattcctgct 120
tctcctgctc atttgtgtcca ccgatatggc acaggcaagg gaatgcgaga agtacagtga 180
gcgatttggtt ggggcatgca tgatcgcaga caactgcgcc aatgtgtgcc gcggtgaggg 240
cttcttgggc ggcaggtgca gcaccttcgc ccgcgcgtgc atctgcacta ggcagtgcta 300
aacaagatcg ctcgatcgct cgccatgcat cgacaacctt ttcttaataa cgttcattat 360
ctcgtttctta tatatgacga atgtcatgta tgttctgggtg actgtcatgt atatt 415

<210> 24076

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H9

<400> 24076

cccacgcgtc cgcccacgcg tccgcccacg cgtccgccc cgcgtccgcc cagcgtgctg 60
gtcccgtccg tccgtgcgtc cgtccgacca tccgtccgtc cgcagcaatg gtcggcggca 120
tgtcaccgcc gcggcggacg ctgtcgatgg ggagcggcgg cgccatggga cgccgcgcgg 180
cctctgcggg cgtgatgggc gacagcccca agcgcggggt gtcccgatcg atgaccatgg 240
gcggcgagcg cacggtgaag cggctgcggc tgtcccgggc gctgacggtc cccgagagca 300
ccaccgtgct ggaggtgtgc cgccgatgg ccgcgcggag ggccgacgcc gcgctgctca 360
cggactcgaa cgcgctgctc tgcggcatcc tcaccgacaa ggacatcgct ac 412

<210> 24077

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A1

<400> 24077

ctctctcggt ctgctcacat cgacgcggtt cggttccagt ttcactccca ctgccgtctc 60

ggcaacctcc cctgttccac gtttcgtcct cgctgccag gctgccatgg ccgcgacgtc 120
 ccccttcgac tgcgtcctcc tagacctega cgacacctg taccggggcg acaccggcat 180
 cggcgcgggc ctgaggcgca acatcgacga gttcctccag gccaaagctcg gcgtgtcggc 240
 cgacgaggcc gccgccacgc gcgccgagct cttccgcgcg caccggcagct ccctcgccgg 300
 gctcatcgcg ctcggttacg acgtgcaccc ggacgagtac cacagctacg tgcacggcag 360
 gctaccgtac gacaggatcg cgcgcg 386

<210> 24078
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-A10

<400> 24078
 cccacgcgtc cgggtgctggg tgctgccggt ggcacgcgtc aacccttggg cctgttggtt 60
 aagatgtctc ctctggtgtc cgagctgcat ctgtatgata ttgctaattg caagggagtt 120
 gctgcagatc tcagccactg caacacgcct gctcaggttc ttgacttcac tggaccctca 180
 gagttagcca actgcttgaa aggtgtggat gtcggtgtca tccctgccgg ggtcccaagg 240
 aagcctggga tgactcgca tgacctttt aacatcaacg caagcatcgt caagacactt 300
 gttgaggctg ttgcagacag ttgccagag cgttcatcca tatcatcagc aaccgggtga 360
 attccacggt gccaatgca gctgaagttc tgaagcagaa aggtgtctac aatccaaga 420
 agcttttcgg ggttaccacc ctggatgttg tcagggc 457

<210> 24079
 <211> 403
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-G7

<400> 24079
 aaataataaa aatgttgga atttgcattt ggtcaaacc atccagatag aacaggatgc 60
 agtgaagcgc atgagcacia gtctaacacg ggatgcaatg caagcaaagg gcgtaatagt 120
 agtcgcgggc tctaggggtg cagcgggtta ttattcttgg cagcgaacgc ggtgacgaac 180

tggcagcgca acgtttgttg tcgtcatcat ctttcctcgt cgccggtctc agaactcgac 240
 gcccttgaag accttgcgca cctgctcgag cgtgacgaag agcacaacgg tgaagggccc 300
 ctggcgcatc acggtgggga tgaaccctt gtacagcgcc atgggtccct ccgacctgac 360
 ggtcttgagg gcgcagtcga cggcgccggc gtagggcggg ggc 403

<210> 24080
 <211> 226
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-F11
 <400> 24080

gttcctgtcg ccattgcctc ctgctggcag gaacaggaac tctctgaagc acgggggggag 60
 ggtagttcat gttgcttcga ttcgatcgta ggggagataa tgccggatgg cgctgctcat 120
 gctttgtaaa gtttgggagg acatgcatca taattgaagt caagtgatag gatcctgttt 180
 tttaagtaca cgatacaaca caaatcttaa catactccct ttgttt 226

<210> 24081
 <211> 343
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-F2
 <400> 24081

tctactgatg tttggagatg aaagtagagg accgaaacta gatgcatctg agagcaattt 60
 tggtagcagc gtttctagtt tcgaaggaga tcaaagcaat gcatcacaac attctttcac 120
 taatattggg caaaactgta atgagaatac ctacagaact ccccatgatt ttgttgaggc 180
 tgctgctttt caatcaaacc catcaaattt cagtgggctg aactttaaat tcggtgtgtc 240
 atcctctcca caaatctctg ctgcggcagc ggcacaaaga cgtagcacia gaaggaagtt 300
 aagaacaaag ggtagtctag catcgaaacc ttcaactatc gac 343

<210> 24082
 <211> 134
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F4

<400> 24082

ctcacgcgtc cggggcgcca gtcggtcatc atcatgctgc aaagtatcgg cacggggagc 60
gcgctgatcc tgggggctct agtcgtggca ttgctcgtgg agatgaaacg tctgagagct 120
gcaacggacg cctg 134

<210> 24083

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F5

<400> 24083

gtttgtttgt attgctacga ctagcgcgag gacacgtgtc atctgaaaag caagtgggta 60
cctgaaatct caagtgccag gcaagttgtg cccttgatca cttcttttac cactcatgt 120
tctaattaat cataatgata tgcataagtt aattttgatg ggacctataa ggatacccta 180
gtttgtctat ctttatgcct tgtttaccac tgaacttttt gggtagtact tgctagtgt 240
atatgtggtt ttgggcattg agatacacat tattcatgat tataacttttg ttatccgttg 300
ttatttactg ttcattgtcaa gatcattaat gttaattgga acatagagct taacttgaga 360
aacacgtgcc accacaaggg tttatggacg cccttggctg 400

<210> 24084

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F6

<400> 24084

cacctgtaat ggtcgacatg tgcttacaat gactagaaat cttgagcgcg cagggggggg 60
ctcacttttg cagagcatgt gcgggggttc acccacacat ctgtcatgga gtccctgagca 120
tcatgccaca gatgttgatt aacttggag cactgtacat acaccatttg gtcccttttc 180
atagacaaaa tcaactgtctt ttgtgcagaa tgatgcatct cgtaagaatg tgcttctgac 240
aacctgaac tacacaatta ccaacacaat agatgttttg gaggccatgg tagcacatgg 300

cggacagaat tatcttataa agaatatgca tgttgaattc attcaaaggt tg 352

<210> 24085

<211> 407

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-F7

<400> 24085

ggaggaggcg atgcggaacg ccatcgaggg catgaacggc aaggagctgg acggcggcaa 60

catcaccgtc aacgaggccc agtcccgcgg cggccgtgga ggccggcgcg gcggcgggta 120

cggtggtggc cgtggaggcg gcggctacgg cgggtggcgg cgccgtgatg gcggcggcgg 180

ctacggcggt ggccggcggt acggtggtgg cggcggcggc tacggtggtg gtggcggcgg 240

ctacggcggt ggcaaccgtg gcggcggcta cggcaactcc gacgggaact ggaggaactg 300

agcgggtgggg cccgcgcggc caagttatcc tgttcgctac cgtgttggtt accctagtcc 360

agagtgttta tcttcgttcg tctcgtgtnt gttgttgccc atctgtg 407

<210> 24086

<211> 410

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-F8

<400> 24086

agcgatgcac cagcacgaga tactagccat catgcgcctg tcgtccctcc tcttgggcgt 60

ggccgccctc tcggcgcgcg ccgcggcgca gcaggtgccg ccggtgggcg gcagcgctct 120

gaagccggac tactacagcc agtcgtgccc gcgcgcggag cggatcatcg cggagtgat 180

gcagacgaag cagatggcga acccgacgac ggccgcgggc atgctgcgcg tcttcttcca 240

cgactgcttc gtcaccgggt gcgacgcgtc ggtgctgata gcgtccaccc agttccagaa 300

gtcggagcac gacgcggaga tcaaccactc gctccccggg gacgccttcg acgccgtggt 360

gcgcgccaag ctggccctgg agctggagtg ccccgngtg gtgtcctgcg 410

<210> 24087

<211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-F9

 <400> 24087

 catcgatctc cccccagcgg cgaggagagc cggcggccac aggaaggaga aatggggggcc 60
 gcacacaacg ctctccgggt gtttttcatc ctagccgtgg tatgtgccgt atgcacagcg 120
 aaaaggacag gagccaacaa ggaagaatcg gcggcagccc ccggtggcgc tgctggaggc 180
 agcggcggga cgttcgacat ctccaagctc ggcgcgacca gcgacggcaa gacggactgc 240
 acaaaggcag tccaggacgc gtggacgtca gcgtgcgaag cgaccggaag cgccacgggtg 300
 gtgatcccca agggcgacta cctggtcggc cctctcaact tctctgggcc atgcaagggg 360
 agcaacatcg ccatccagct ggatggcaac ctgctgggat caaacgacct ggacaag 417

<210> 24088
 <211> 413
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-G1

 <400> 24088

 tgccacgcgt gccaatgggt gacgcgttcc cctcctgcac gcaacctcat ctcgctcctgc 60
 ggatccagga tggccagtgc tccttgagac cttgcctccc cgagtgcctc cggtgagcta 120
 ctttgtttcg atttatcagg aaatccgttt gcttcatgtt gtgcaggctc atatctgatt 180
 gctggattcg gcaaaccgc gttggatcct gtatcgggta gtccttgcct gcaaggttct 240
 tggtgttttg ttttgggtgt cgagcatcgc atgttctgct tctggatcca gatctggaga 300
 aatcgcggaag tcgtcgtcgc tcggttcgga gcggatctga ggcgacgata gatggacgcg 360
 gcgggatctc tcggtctgca gtctgtctcc acctcgatgg atgatgtctc tgc 413

<210> 24089
 <211> 255
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-G10

<400> 24089

aatatcgccg cgcgcgtgc tggcactgcg gtggacgatg gcgagccgcc tcacgttgc 60
tctaccccg tgagcgtgga ggaggcgtgc cgcggcgct cgcgacgca cgcggcgctg 120
gcctacgacc actgcatggc gtcgctgggc gccgactcgt gcagcaagga tgccgtcaac 180
aagaacatgc acggtctggc tgttctgacc tccattatgg acatagacta ctcccttagt 240
atggcttcca aaatc 255

<210> 24090

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G11

<400> 24090

cccacgcgtc cgcgggtgctt ctgctcgccg gcccaaaatc gcctcatcga ccacgcgccc 60
ttccaggctc cgcgctccat ggttctctc tcaaacagga ttgggagga gagcctcaag 120
gcgggggatc atatctactc ctggagggcg gcgtgggtct acgcgcatca cggaatatat 180
gtgggcatg ataaggtgat ccatttcaca agaggaagag gacaggaggt cggaacagga 240
actgtcgtcg atattattct tgtgagttcc accccaaaac gaagcaacac gccttgcccg 300
gtgtgcaccg acgaaaccag cgacagcagc acagagacga acggcgtggg atcctcctgc 360
ctcagctgct tctagctgg ggtgctctc taccgtttcg agtacgcagt caaccggc 419

<210> 24091

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G12

<400> 24091

ctcacgcgta cgcggccgca tttaagctcc tagttaatga tgaactggat acacagagtt 60
tcatgaagtt tccagattta aaccctgctc cagcaagagc aagttctggg gcttcaagga 120
agatgatgct taattctaaa gatcttagct ttgtggggta tacatacaag aattttgagg 180
ccgtgaaagg ttgcatcag ttgcatcag ttcagagaag ttcctcattt acaaggcact 240

ctgctggctc cccatctgat acagcagaca tggacgcctc gatggaagct aacgggaccg 300
acacacacat gcgcactggg tcagctggcg accctatggc gccataatct gccctgttgt 360
tttcgtgaag taccctgccc tacaccggca tcatgcatgc acctcgacaa catg 414

<210> 24092

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G2

<400> 24092

tcccagccat gcaccagcac gagatactat ccatcatgcg cctgtcgtac ctctctctcg 60
tcgattccga actctggggg cgcgccgcgg cgcagcaggt gccgtcgttt ggcggcagcg 120
ctctgaagcc ggactactac agccagtcgt gcccgctcgc ggagcggatc atctcggagg 180
tgatgcatac gaagcatatg gcgaaccgga cgactgccgc gggcatgctg cgcgtcttct 240
tccacgactg ctctctcacc ggggtgcgacg cgtctgtgct gatcgcgtcc acccagttcc 300
agaagtcgga gcacgacgcg gagatcaacc actcgtctcc cggggacgcc ttctacgccg 360
tggtgcgcgc caagctggcc ctggagctgg agtgccccgg ggtggtgtcc tg 412

<210> 24093

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G3

<400> 24093

ctgcagtcac ctctccatc accaccaaac tcaacaacag ccagctcgcg aaaataaggg 60
agagccgcag catggcatca tcggccgcgc tcttggtgct agccctcgcg ctagtggcgg 120
ccaccgcccc acaggtagcg gaggcaaaga agaagagagc ggcggagagc ggcgaggcgg 180
cggaggcgaa gaagatccag gacgacttct gctcgacgct gtgcgagggc aagaagggga 240
cggacctggg cgtgtgcaag gagtcctgcg cgctctcca gcagtccaac ctggtgctgt 300
acggcaggat ccagtgcaag ggcaagtgca ccgagcagaa gggcatcacg gcgccggcca 360
tgaaggtctg ccaggaggag tgcgacaagg cgtacgtggg ga 402

<210> 24094
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-G4

 <400> 24094

 cgccgcagag gcccaaagac agccaccttt ttactcacct atctccgcaa ctcaaagggtg 60
 cttccatttc ctaccggcgc cgctgcagct ccacccatt cgcgcgacac catgagggag 120
 tgcattctga tccacatcgg ccaagccggt atccaggctg gaaacgcgtg ctgggagctt 180
 tactgcctcg agcatggcat tcaggctgat ggtcagatgc ccggtgacaa gaccattggg 240
 ggtggtgatg atgctttcaa caccttcttc agtgagactg gtgctgggaa gcacgtccct 300
 cgtgctgttt ttgatgacct tgaaccaact gtcattgatg aggtgaggac tggcacctac 360
 cgtcagctct tccaccctga gcagcttata agtggcaagg aggatgcagc caaca 415

<210> 24095
 <211> 411
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-G5

 <400> 24095

 cgtcacggac atcaacgtca aggattgcac tcttaagaag acgatgttcg gcgtccgcat 60
 caaggcgtag gaggacgccg cctccgtgct caccgtctcc aagatccact acgagaatat 120
 caagatggag gactcagcca acccatctt catcgacatg aagtactgcc ccaacaagtt 180
 gtgtactgcc aacggcgcct ccaaggtcac cgtcaaggat gtcaccttca agaacatcac 240
 cggcacctcc tccaccccgagg aggcggttag cctgctctgc actgccaagg tcccatgcac 300
 cggcgtcacc atggatgacg tcaacgtcga gtatagcggc accaacaaca agaccatggc 360
 tatatgcacg aacgccaagg gcagcaccaa gggttgcctc aaggagcttg c 411

<210> 24096
 <211> 221
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F10

<400> 24096

cccacgcgtc cgattctaca acaatgtcac gtacatgcaa tgtaataata aaaaaagtat 60
gtgatatatt taacaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacaaaaaaa 180
aaaaatacaa ataaaattca acatacaaaa aaataaaaac a 221

<210> 24097

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G6

<400> 24097

gagccaccgt ctgacggccg ctcatctcgc catcggtagg gcttcggcaa tcccagggtcc 60
attcgccacc tgcgcccttc ctgctcccgc gccgcgacca tacacctact ccacttcacc 120
acctactccc gtcacaccac ctccatgctg actacgacta ctaccgctac ccttcccgtc 180
tgccaccccg tcacccccga catcttccac gagtcgccgt caccgcatct acaccatttt 240
gtggggccacc gccacaacgg caccgatgtc cccatgccac attgccaccc cagccgcatg 300
cgggtggcatc gctggaggag ccgcttggca cggagatgga ccaggctcat gtgctgcttg 360
cgcaggacca gcggttgacg cacatggcgc tcgtgc 396

<210> 24098

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D5

<400> 24098

gaaatcgcat agaagcgaag gagaggacac acacattagg ctaaagcgtc gggtgagggc 60
ctctacacc gctgcacgga accagtctcg tctcactgt catcgccgat cacatgtcac 120
aggctcgcag atccctggtt ttagatgtta ccaaagaagt atcttttcat gagaagcaat 180
ggatatgatg gagttctatt ctttattaag catgcgctcc ctgccacgc cccgtctcgc 240

actctcgcca cacctcacca ccggtggagg agcagcaggg ggagaccggg ttggaggccc 300
gcaggaggcg gagccacga tgcctatgtc cgtggggaac cagttgcagc ggccggccga 360
gtgcccgcga gcgccgcga agctggtgtg ggcgcctccg cttccgtc 408

<210> 24099
<211> 341
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D6

<400> 24099

gggggtctgt cgaccccgct gcactgtcaa accacttccg gttcaagcgc cggttgcggg 60
actgcaagac cggagcacac atccagctct ctgagcacat catctacca ctcacatgct 120
actacactgc actatccgat ccaacatcca attaccaatg acgtatcaca ctttgagaca 180
ctctgggccc cttggtacgt gctatattgt cttaatcatg ctctggatca acacacattg 240
gctcacactc tagatacaca tcaccaacca cttatgaaca tctactggag acctattttg 300
aggctgatat tatgccgaac ctacattgcc tattagcatg g 341

<210> 24100
<211> 255
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D7

<400> 24100

taataaccga ataccagac caaatctctc gtcaccttcg cttcacatc gcatcatgag 60
cattctaaac ttctgggacc gaatacattt tcagacactc aattccaaga tccattgtta 120
gactctacca tacttcttct tcttcttctt gctcatctga tctcttttta tattcatcaa 180
caattctatc caactaatct tttttattaa tcatgctcta cctctccaaa catactctcg 240
cactctcgac acacc 255

<210> 24101
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D8

<400> 24101

aatccaagac aaaacatggc tgtgaatgtg agaaccatgt ggtcgtcgat gcgggcgag 60
gttgcgatgg ttgtggcggt ggtgttcttg gtgagcggcg catggtgcgg tcctaccaa 120
gtcctcccag gcaagaacat cacggccacc tatggcaagg actggctgga cgctaaagct 180
acatggtatg gcaagccgac aggtgccggt cccgacgata acagtagctg ctgcgggtac 240
aaggacgtga acaagcccc cttcaatagc atggtctcat gcgtaacat cctcatcttc 300
aaggattgac tgggttgagg gtcctgcttc aagatcaagt tctataagcc tgttgagtgc 360
tccggcaagc ccgtggtggt gcacatcacg gacatgaact atgagccta 409

<210> 24102

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E1

<400> 24102

gcaaaaaaaaa aaccatcaca caaaaaaaaaac aaaaaacaaa aaaaattttt aaaaaaaaaa 60
aaaacaaaca aaaaaaacgg gaacttttaa aatcttgttg ttacctaaaa acatacctac 120
atttctatcc atccaccgtt ttcatacacc accttcccac attataattt ttctatacac 180
taacttcaac tcatttcaaa gccccctctc tttaaaactc ttactcttct aaaaaacctt 240
tccttttccc atctcaatcc cctacatcca cttccccttt tcccactg tctttctccc 300
aaaaccccctc cctacattcc cctttccatc atttttacac tcctaatttc cctt 354

<210> 24103

<211> 366

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E10

<400> 24103

gagggtgtccg gggtcacgt gctcaactcc aagttcttcc acatgaacat gtaccggggc 60
aaggacatgc taatcaagga cgtgaccgtg acggcgcccc gggacagccc caacacggat 120

ggcatccaca tgggcgactc atccgggatc acgatcacca acaccgtcat tggcgtcggc 180
gacgactgca tctccatcgg ccccgggacc tccaaggtga acatcaccgg cgtgacctgc 240
ggccctggcc acggcatcag catcggcagc ctagggcggt acaaggacga gaaggacgtc 300
acggacatca acgtcaagga ttgactctt aagaagacga tggtcggcgt ccgcatcaag 360
gcgtac 366

<210> 24104
<211> 409
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-E11
<400> 24104

ctgaccaatg acatcgggtg tggtgtgtt tcagatgatg caggagaacc tattgggggt 60
aacatctatg ttggtggtgg catggaagg acacaccgag tggaaactac attccctcgg 120
ctggctgatc cattgggtta tggtccaaaa gaagatatat tatatgctat aaaggccatt 180
gtcgtcacac agagggaaaa tggaagaagg gatgaccgca cgtatagtag gatgaagtat 240
atgattgacc gttggggaat agataggttt cgggctgaag ttgaaaaata ttacgggaag 300
aagtttgaaa gtttccgacc attgccagag tggcagttta acagctacct tggctggcaa 360
gaacaggggtg atgggaaatt attctatgga gtgcatgttg ataatggtc 409

<210> 24105
<211> 367
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-E12
<400> 24105

cccacgcgtc cgatctatgg gtgcgtgcgt ttgtgtgccg ttgggggttca tctgtgcttg 60
ttaatatgta ctgggatcat gttgtgcgta tgtgtgtgtc gtcgttggtg gttgattctt 120
taatttggtt ctttttgctg tacttttgtg ggccatgaaa acgggggaaa cttggtaaga 180
acataggatt tctgatgttt ctttaaagat cgactaaaaa tttagtgttc atgatagaca 240
gacagtaacg attggatggg cttaaaatag ggggtctcagc aatgcacgta aaataggggt 300

ctactttata tttttgacat tgctggaagt aggatataaa tggatatagat attattggtg 360
tataactc 367

<210> 24106
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E2

<400> 24106

cgacgcctgg ccgggttgcg acgcttccat tctcctggac gagtcgcccg ccggcgagct 60
cccagagaag gagtcgtccg ccaacggctt caccctggtc gggctcagaa ccatcgacat 120
cgccaagtcc accgtagagg gcatgtgccc cggcaaggtc tcgtgcgcag acatcctggc 180
cttcgcggcg cgcgacgccg ccgtggccgc gggcctcccg agatacgagg tcgcggcggg 240
gcgcgcgcac ggcatgcgt cgaacatgga cgacctcccg ggcaacttcc ccgtgccggg 300
ccaccacgtg ccgcgcctca ccgagctctt cagccagcgg gggctctccc aggaggacct 360
cgtcctgctc tccggcgcgc actccatcgg cggcgcgcac tgcttcatgt tct 413

<210> 24107
<211> 296
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E3

<400> 24107

catctatatc tactaacaat actggtactt tatataattt tgcgttcctc aacagctaaa 60
cattttttct actcacaact attactatca ccaaataacc ttaatcgaca tttttcactt 120
aaaaccctca tctcatacct ccacactatc taataacccc acaccacctt tttcccataa 180
cataccatat actacatttt caacattata aatcaattct attcgctata acatctacta 240
cctacaaaac tattactccg acctacctaa tacattctca ttcaacacca atctat 296

<210> 24108
<211> 406
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-012-Q1-K1-E4

<400> 24108

cgggcccaan cggccgaacc ttttggcctt aagccccggc cccaaacctc gaggcggggg 60
agccgcgcgag gtcgatgccg cgggcgtgct tgcggatgca gcggaggcgg cggcgtcagt 120
gccagcgcgcg ttcccagggg aggtagccgc cgcggctgcg gactcattcc cccctgttgc 180
cgcacttcag cacattatcg acgctatcca tacctttacc gggctgaact ggtgggtgtg 240
catcgcgctg acaacattta ttatccggag cgccacagtc ccgttgctcg tgaaccagtt 300
gaaggccacg acgaagctaa gagcaataaa tccagagatg gaagtcatta aagaccagat 360
gaatagtatg gatccaaaat cagtgcanga gggacaagct aaaatg 406

<210> 24109
<211> 296
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E5

<400> 24109

aaaaaaaaaa aaatcaaaaa aaaaaattaa aaaaaaaaca aacaatataa aaaaaagcga 60
gaattaataa ctcttgctg cgacaatata cactctcact cccctcttac ctcccctcat 120
ttccttcacc ttctttctta caacttcatt cctttttatt ccctttacat taccctactt 180
tgtccccctt cttcacatcc cccttttgcc aaaccctta ctttcccaa ttacctcacc 240
tatcttcctt cccaactttt ccacattctc attctttata agaaccceca ctgtat 296

<210> 24110
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E6

<400> 24110

actccgcaa cccatcacac cttctcatcc ttttccccct accccaacct caaccacg 60
ccgatctttt acaacgatgc ggcggacatc ctttcacatt catccgactc ataaccatca 120
acaccagcac ctttcccata gaaggatatcc tccactacta cggactcatt cccaactttt 180

tccgcacttc agcacattat ccactctatc cataccttta ccccgctaaa ctagttcgtg 240
 tccatcacc ttacaacatt tattatcacc atcgccacac tcccgttcat cttcaaccac 300
 ttgaacacca ccaccaatct aatagcaata aattcaaaca tcgaaatcat taaagaccag 360
 atcaatacta tctatccaaa atcaattcaa tatgcacaag ctaaaattaa 410

<210> 24111
 <211> 306
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-E7
 <400> 24111

atttcgaata acacagttga ggcgcactat gggatccctc gctaataaca tcatgggctg 60
 ggggtgtcgtc ctggcagcgc tcgtgccttg catgtcatgc gggccctcga aggttcagcc 120
 cgttctcaac atcatcacta actacaacgt caagtggctc atcgtcaggg acaactggta 180
 cggttagcct aacagcaccg gctctcccga cttcaacagc gcgtacatga tcaacatcat 240
 gaacgtctta tactagccag ggcagattgc gcctacaagc ctgttcatct gacctaccga 300
 gtacat 306

<210> 24112
 <211> 304
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-E8
 <400> 24112

cccacgcgtc cgcccacgcg tccgcgtacg cgtgggttta gcaccaggca aacggggcga 60
 ctatgccaac gcagtgtctc tagagcactg taggctctag ttctccagag gcccgccaca 120
 accacaagcc aaggccacag ccagtgcctt cgccatggct cccaacctca gcaagaagac 180
 gcctgctggc ctctcggcg acgaggtggc cccgggtggag ggactcaagc cgtcgcgggtt 240
 cacccttaag ggcaaggacc tgtccgtgga cgggcactcg gtcctgctgg acatgccggg 300
 caag 304

<210> 24113
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-E9

 <400> 24113

 aggaccgcga cgagccggcg ctggggttca agatcaacgt caccgcgcc atggacgggc 60
 cctcgctctg cagcgacccc gccaccttct ccgactgcc caagatcctg ggcattgtcgg 120
 ccgacgcccc cgaggcggag atcttcaagg agtacgcgaa gaagcacgag agcaacaacg 180
 gcaccaccat tcttgccgct gcaaccggcg ccgccgcggc gaccgggaag agcacgagcg 240
 cggcgccgac ggcggacggc gccgggaggc agcccggcac ggtcttcttc tacgtcgtgt 300
 cggcgctgct cgtctccgtc gcggtcctgc tgtgctgatg gcttaacggc cggccgcggc 360
 agcgcatgca ttcattggccg gccggccggc agggagatgg aggtgctact gcacg 415

<210> 24114
 <211> 355
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-D4

 <400> 24114

 ggacgccgag gaggccagcg gcgagaagaa gcaccaccac ctcttcggct gaccgggggc 60
 cggccggcgc gcgaccgagc tagctagctc cggcgcacac aaccacacac ctgtttaatt 120
 ctgtactgca tgcgtgtgta atttgatggc tcacaataat gaggccctct ccggaccttg 180
 gtagctgctt gcttgtggcg agtgagagtg tgagactgag ggagaagagg tgggtggcgt 240
 ggggctacgt cgagagaggc gtgttcctgt aatcctgtac tcgcttcggt ttctctgcat 300
 gcgtctataa ttgtgttcaa taataagtga gagcggtgtg atgtgtggct cccct 355

<210> 24115
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-F1

 <400> 24115

cgaagcaact gaaaacaagc cagcgatcct cttttccttt tccttttcga tccattctgg 60
ggcgcaacga aataaacatg tctgaaccgg caaagatgtc gtggcaagcg tacgtggacg 120
aacacctgat gtgcgagatc gaaggccacc acctcgcggc ggccatcgtc ggccacgacg 180
gtgccgcctg ggcgcagagc acggcgttcc ccgagttcaa gaccgaagac atggccaaca 240
tcatgaagga cttcgacgag ccaaggcacc tcgcgccgac aggcctgttc ctcggaccta 300
ccaagtacat 310

<210> 24116
<211> 414
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-C1
<400> 24116

ctggatcatc cggagcaggc acgactctgt gttcaagttt tagagcatca tgccagggtc 60
gtttgttgca ctgaaactga tgttccagac tacatacatc gacgaaggca atagatccaa 120
gtgttgcgta ttcaaagggtg atcctgcaaa ggttggtcat cactgtggca gcagcaaaga 180
agttaaagag aaaataagca tgataatgga tgaacttgcc cttgatggat atcaggccat 240
agctgtagga catcaagtag actcttggtg ggactttatt gcccttctgc cttatacaga 300
tgaccttaaa agcgatagtg ctgatgttgt cgatagcctt atcgatctag gtttagatat 360
aagagtcttc acagaaagtc cattgtcgac cacaagcac gtttgtggaa agct 414

<210> 24117
<211> 411
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-C10
<400> 24117

gcgagcggcg cttttttttt tttttttttt tcttggtcag catgaacctg acaatggaac 60
atcagcccct aagtcacgt cgatacacia gatgcgattg cgaaaggtag aagccgattt 120
ccaccatggg caacaagcaa acgtaagggt tgccctgccct ctagggtcac cttggtgaca 180
cgcccaatca aggaactttc agccctcttt acatctagca aggcgttcgc tagctacatc 240

gctcctccat agcatgccct cacgaaacag ggatctctcc agcacgtcca ccaccggttc 300
 acttctcat gtgttcagga acgatccgat ggacaagctc gattgggagc ctttcgagtt 360
 cggctgctgt gaagtcgaac agcgtggca gcggtcgtcc acttggcaag c 411

<210> 24118
 <211> 281
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-C11
 <400> 24118

tgccaccgc gctttttttt tttttttttt ttcttgttca acatcaacct gacattgcaa 60
 catctcccc taagggatgg tcaatacaca aaatgcaatt gccaaatgta caaccgatt 120
 tcaaccatgg ccaacacca aacttaagggt ttacctgccc tctatgataa ccttgctaac 180
 accccattc aaaaaacttt catccatttt tacatctatc aacgcgttca ctatctacat 240
 cgctcctcca taacatgccc tcactaaaca ggtatctctc c 281

<210> 24119
 <211> 262
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-C2
 <400> 24119

cgcacgcgtc cgcccacgcg ttgcccact cttactgtct agctgcttca tcctaagggg 60
 ccctatataa gtgtccatct gttgcatcct aaatccttgc ctagttgcaa catgaacttc 120
 tagccgaaag catattcgct gtcaaaaagg gactccgaga ggtccagaat taggtcctcg 180
 gcggtgatct ccgaagggtc cacattttcc gactaagccc ttgactgata tgggtcacac 240
 atcagtccca taagccgttc at 262

<210> 24120
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-C3

<400> 24120

gccaaagcctt cggccaagcc ttccgggttcc ccgtttcctt ttcaaactca aatcatgggg 60
ctccacngat cggctccaag cccgcagaag acgagcaaca gcagaagcgc ccgtctctct 120
tctcgccgta ccagatgccc cgcttccgcc tcaccacccg gtgagcctcc atcgcggtgg 180
tgctggcgcc gatgaccagg tgcagggcgc ccgacgcgat ccaggcccc gcgctcgcg 240
agtactacgc gcagcgggcc acggagggcg gcttgctcat ctccgagggc accatcatct 300
cgccgtccgg ccctgggttc cctcgtgtcc ctgggatata caatcaagaa cagactgatg 360
catggagaaa ggtggttgat gctgttcatg ccaagggagc tatctttttc tg 412

<210> 24121

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C4

<400> 24121

cggacgcgtg ggtggggata ggatctcagc tcactctggga ccgtgccctt gtccctggggc 60
ttgataggcc caagagtgtt accatggagt ggctggagaa ctactgctag aacaaggctg 120
cttgaagctt ttcacacatg ctgctttttg gcaaccttgg ctgttaataa tttaaacgcg 180
agttatagaa atagtcattt tcctttggcc gatgaataac gcaagagcaa tatgctcagg 240
cggaagaatt ttgtatcttc cgtaacttgg tgaacatcca gatacttgat ctgcccgaac 300
aatgggcaga agagattagg acatgctgat tgatctttat acgccaacac ttgcttttct 360
ttaacattac ttgttcgctg cagtttaatc cagctgtttg taactgc 407

<210> 24122

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C5

<400> 24122

gatcgttgga gctcggccga gctgagcacg cacagtgtga ttgtgtgtgt gtgtcggaca 60

tggcgctcgct ctggctagcg agagcgctcgt cccagctggc gcgccgtgcc gccgccagga 120
 ggctcctccc gcgtcctgcg cgccacggct ccgaccaacc caccagttcg tggttcctgg 180
 gctcagtgcc gccgccggcc cttgggtcag cagcggcgga cacctgccgc cgcggcttct 240
 gctccgtccg gcgttcgca ggggagagca gcgctgctgc tgctgcggcg gctgtcgtcg 300
 acgaggagcc ggagagcggg ttcgcagccg gcgatcagca ggcagttgac tttcctggag 360
 ggaaagtatc ctttgtggca gaaatgaact tccttcaga atcgacgagg g 411

<210> 24123

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C6

<400> 24123

cagacgcagg cgctcacgtt ctgcgacacc atgtgcatga acacgcagga cacggtgggc 60
 tcggcgcagc gggccatcac gttcaaggac accggcaccg ccaagatcat gctgcagctc 120
 gccgtccagg acttcgactc gtgcgaccgc cccttcaccc aggcggcggt cccaacccc 180
 atggggaagt ttgacaagga gctcaaccag atggccaaca actgcatggc tcttgcaaac 240
 atgatatgaa ccacgcatgc aaccccagcg tgagggtgcca tcgcatgcac ggaatgcttg 300
 cattcatttt tcatttaatt aagaattcat tgaaattatg agttatatat attgagtaac 360
 tctaigtatt tgttcctgac ctgcactatt tattcaatag tatgtcatg 409

<210> 24124

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C7

<400> 24124

gattgaacgt ggctgcatca ttttccttt cattggtctt ttcagcaaca gcgatcgatt 60
 ctcggtgggag ggagagagag agagagaggg agagaaatca aagaggagag tgatcatgga 120
 gcatgtgatt ggaggggaagt ataagcttgg gaggaagatt gggagcggat ccttcggaga 180
 gctatatctc ggtgttaata tacagaatgg agaggaagtg ggaataaaat tggagcctgt 240

gaaaacaaaa catccacagc tgcactatga atctaaagtt tatatgctgc tgcaggggtgg 300
aaacggtatc ccacacctca agtggtatgg tgttgagggg gagtacaatg ttatggtgat 360
cgatcttctt ggcccaagct tggaagattt gtttaattcc tgcaacag 408

<210> 24125
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C8

<400> 24125

cgctctctct tcctctgctc ttctctgcct gcctgagctc accgcacctc gcctgcgcac 60
cgcgtttcct ccgttaatcc ggtagaaaat ggccgatgcc gaggatatcc agcccctcgt 120
ctgcgacaac ggaactggca tggtaaggc tgggttcgcc ggcgacgacg ccccgagggc 180
cgtcttcccc agcatcgtgg ggcgcccgcg ccacactggc gtcattggcg ggatggggca 240
gaaggacgcc tacgtcggcg acgaggcgca gtccaagagg ggtatcctga ccctcaagta 300
ccccatcgag cacgggatcg tcagcaactg ggacgacatg gagaagatct ggcatcacac 360
cttctacaac gagctccgcg tggctcccga ggagcacccc gtcc 404

<210> 24126
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C9

<400> 24126

tactccactc atcctccctt tttttttttt tttttttttt ttttttattt tttttttttt 60
tttttttttt agtttttttt taatttttgg tttatttttt tatttttttaa attttttttt 120
tttttttttt tatttttttaa aaaaaaaaaa aaaacataat tatcaaaaaa attttttaaaa 180
attttttaaaa ttaaaaaaaaa aatttttttat ctgttttttt tataaaaaact taaaaaaaaa 240
ttaatttcaa aaataaaatt ttaacaaaaa attccttaaa aaatttttgc cttttgtaca 300
ctttttcaaa atttaaaatt attattttta ttttaaaaaa attttaacat tcaaataaaa 360
aaattttatt tttatgaaaa aaaacccttt aaaaaaaata cccacatttt ttattttttt 420

t

421

<210> 24127
 <211> 415
 <212> DNA
 <213> Zea mays

<223> . Clone ID: LIB3066-012-Q1-K1-D10

<400> 24127

acatatccac caatggacgt gaaactccca cacgaactga atgtgtatca ggatatgttt 60
 aaagagttct atttgagcaa gtacagtgga aggcgtttta tgtggcagaa ttctttggga 120
 cactgtgtct tgaaagcaga ctttcccaaa ggcaaaaagg aactcgcggt gtcattgttt 180
 cagagtgtgg ttttgatggt gttcaatgac gcacaaaaat taagcttcct tgacatcaaa 240
 gattccactg gtatcgagga taaagaattg agacggacac tgcaatctct tgcattgtgt 300
 aaagttcggg ttctccaaaa gataccaaaa gggagagatg tagaagataa ggatgacttt 360
 gtattcaatg aagatttttag tgctcccctc tatcgcataa aggtaaatgc aattc 415

<210> 24128
 <211> 292
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D11

<400> 24128

cccacgcgtc cggtcgactg ctgctgcgtt ctgttccgtt cggaagatgt tcttggagag 60
 cttccgggtg gagagcccg cgggtgaagta cggcaacggc aagatccatt cgaagtaccg 120
 ttacaacacc accaaattct tccggccggg aattgccgcc gcccggggtt ggttgttccc 180
 ccaaaggctg tgaacttaca ctctaaggac cagcaciaaac ttccaaaaat ctgggggtgaa 240
 cgctcgccat atggcgcgga cacaacggca ccactctcag gcccggtgat at 292

<210> 24129
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D2

<400> 24129

cccacgcgtc cgccacgcg tccgcccacg cgtccgggtc cctcaaccaa cactcgtgag 60

atgatttgga agcttgca gaactggaatg aatgtagcgc gccttaatat gtcccatggg 120

gaccaccagt cgcaccagaa gggtattgat ttgggtcaagg agtacaatgc acagaacact 180

gatggcaatg ttattgccat tatgctggac acaaaggggtc ctgaagttag aagtggggat 240

gttccagagc caatcatgct caaggaaggc caagagttca acttcacgat taaaagaggg 300

gtgagcactg aagacactgt cagcgtgaac tatgatgact tcataaatga tgttgaagct 360

ggcgacatac tattagtga tggaagaatg atgtcgcttg ctgtgaagtc taa 413

<210> 24130

<211> 412

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-D3

<400> 24130

cggggaaccc ctggccgacc ccttgcccaa taaggaaaac cagcagcctc caataagagc 60

ggggcagaga aactaataaa actctcgccg ncgccatccg agcgaacaag ccaaccgacc 120

ccgtcccca ggcaatccgc cgccgacgta ccaccaccac cgcaggagcg agatggagat 180

gaagaggatc ctcttcgccc tcctcgtcgt catcgccgcc tcggccaccg cagtgtctggc 240

ctccaccgag gccgcccgcg cgggcgcccc aactgcctcc gagtcgtccg ccgaggctcc 300

cgctggcgct ggcgctggcg ctgccgctgg cgccgncgnc tcggggccct ccgccagcag 360

cggcgcgccc gccctcgccg ccgcgcccgc cgcgctcttc ttctccctcc tc 412

<210> 24131

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B9

<400> 24131

atccaatgga aagcatgtga gttcattgcc accaaagccc ttgaatagt ctgcagcggc 60

cttgcaagtct aaggctagt ctactccaaa ggatcagttt gttactgctc ggccggcaaga 120

tttgcctgta agttcaaagc atggagcaga cactaagtcc gagaaggata atttcacagt 180
 attacataag gctggcaatg gtcctgttgt caaagaacaa tcacttgatg cccatgcaag 240
 caaaagtaaa gctcaaaatg taaaggcctt gcctaataat ggtggatcgc tcgctaacat 300
 gttacgccgt gcatcaacaa aacctaagcc tgcaagtacc actaatttta cagctgtagc 360
 aagtgttaca gctactgctg atgcacaaat ttgtgc 396

<210> 24132

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A2

<400> 24132

acgtggtgca gctggcggtg aaggagaaga aggtgagcct ccgggaaggc gacttcacga 60
 tcaccgacac caacggcgcc gtcgtggtca cggtaagggtg tgccttgatc agcatccaca 120
 accgccgcgc cctcctcgac gccgtcggca acccctcct ctgcctgcgc gagaaggtaa 180
 tcagcatgca caacacgtgg gaagcgtaca gaggggacag cagagatcg agcgacctgc 240
 tcttcaccgc caagaaatcc tccatcatcc agccgttcaa gaccgagatg ctcatctacc 300
 tggcctgcaa cacctcgac gaggcctgcg acttcatcat gaagggcagc ttcaaggaga 360
 ggtcctgctc tttctacctc ggcggcaaca actccaacgc cttgatcgct aaaat 415

<210> 24133

<211> 299

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A3

<400> 24133

atggaaacgg agccaccatg gcgtggttgc ggcggtgaag ccgacgctgg ccaaggggac 60
 gccgtcagcg tcgatccggc tccgcaacgg gagcctaaac gcggtgcgcc tacgccgcgt 120
 gttcgacctg ttcgaccgca acggggactg ccagatcacg gttgacgagc tggctcatgc 180
 gcttgacgcg ctgggcctcg acgcggaccg cggcgggctg gccgccaccg ctggcaccta 240
 cgtgcccagc ggcgccgcgg gcctacgctt tgaggacttc gaccggctgc accgagcgc 299

<210> 24134
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-A4

 <400> 24134

ccacgcgtcc gcgcgaaaat aaggaagagc cgcacccatgg catcatcggc cgcgcggggg 60
 gtgctagccc tcgcgctagt ggcggccacc ggcccacagg tagcggaggc aaagaagaag 120
 agagcggcgg agagcggcga ggcgcgaggag gcgaagaaga tccaggacga cttctgctcg 180
 acgctgtgcg agggcaagaa ggggacggac ctggtcgtgt gcaaggagtc ctgcgcgctc 240
 tcccagcagt ccaacctggt gctgtacggc aggatccagt gcaagggcaa gtgcaccgag 300
 cagaagggca tcacggcgcc ggccatgaag ctctgccagg aggagtgcga caaggcgtag 360
 gtggtgaagg cggccgaggt caccaaggcc tgcagcgtca cctgcgcc 408

<210> 24135
 <211> 413
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-A5

 <400> 24135

gtgacgactt ctcttttacg ctcaaggagg gtccgactgg cacttggacg cttgaggcca 60
 agaccccgct caagtatccc ctctgcatcc gcttcgctgt caagtctggt ggctaccgca 120
 tcgccgacga cgtcatcccc tccaatttca aggccggcac cacctacaag accaccctca 180
 gcatctgatt agcctcttat gacgaataat attttgagag agctcatctg gaccatgtgc 240
 cagcgagcta atatttaatt tttttctttg gttatattga ggcaccacat gagccaagaa 300
 aaaagttatg ctacatgtcc cttctcgcgc cttattgcgt taggttgata tgcattgatta 360
 catagattaa aatacacttt tatttaagat tttttgggga gaaatatatt gat 413

<210> 24136
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A6

<400> 24136

cccacgcgtc cgcccacgcg tccgagagag caggggtgtgg gcgaagagac cccaggggggt 60
cgatcgttca agaaaaatac cagcttacca acaacagcag cagcaagccc acccgttcga 120
cgacatggcc cgcctcggcg ccggcgccgt gttggcgctc ctagtggcgg tcgcggcggt 180
ggccgcgttc ctgcggtgc cggcctcggc gaagtccggg gagctgagcg cgatgggggtt 240
gctggcgggc aagggcgga gcgcgcggg cccgcagaag tgctcgggcg cggcgggcga 300
gtgcgacgtg gacgaggcgg aggagctcgg gctgagcggc ggcggcctcg gctccgacga 360
cgcggtgcgg cggacgctgg cgcagcggaa gccgaccaac cgttacat 408

<210> 24137

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A7

<400> 24137

cttccacctc cagcctcata agcctgcggt tagggggggca taaccccaac cggagaggac 60
ggccgacggc tacgagctac gtagccgtgg tccggcgagt cggggattcc aggtccttga 120
caatgacca ctggaaaagg caaatgcac cattaggagc agaactctca tgaacaagct 180
tgttctgcct ttacttttgg ttgaacttgt gataaccaac ccaaactgcc aaaaaatctg 240
gtgttgctac atttgtatca atctttacct gagcttgtgt ttttgtaagc ttatgcatgt 300
acctccacat gtatagatat gctacctaca ttttctttct gtggtcatat gatatgttga 360
caaggtcaca gatatactct cagtatatga tgacgcttct atgaatctat a 411

<210> 24138

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A8

<400> 24138

cccacgcgtc cgcccacgcg tccgcccacg cgtccggctc attacaaatcc ttcattgggag 60

catcactaca ctacactaca ttagagagag gtcgagcgcc cctcctgcga tccgccggcc 120
cgccgagagc tagctgctga tcggtcgagg agagtcatgg cgacgtcaac gatgcgcgtt 180
gccgccggcg tgctgctggt cgtgtcggct ctggcgacct tggccctggc cgacgacctc 240
tacctgttct atcagtggaa ggtgacgtac gggaccatgt ccctgctggg agtgccccag 300
aaggtcatac tcatcaacgg cgagttccct ggccccagga tcaactgac ctccaacaac 360
aacatagtcg tcaacgtctt caaccagctc gaccatccgc tccttt 406

<210> 24139

<211> 408

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-A9

<400> 24139

cgagcgcgtg ggttagagga cctgtccaat agagtcgagc tgagcacggt tgggtgggtt 60
cggtgctaa ggcttcacag ggcgaatgag tcgtccgaac acggaagctt tgagtgggtg 120
cctctgacca tagagtccg catccctttg tttagccac agctctgcga gaggatctgc 180
gagagggctg tcgagtcaca gatgcttcag aaagacgaca tcgctgagca ctacgagacg 240
atgcagaacg tgaggaggag gctgagagag ctgtgcaccg agtaccaagc gaccggccca 300
acggcgaggc tgttcaatca gcggggaggc tccaagaaca cctncccgcg caaactggtg 360
cagatggtca gcggtagatg gagcccgttc catgatccgt ctacgccc 408

<210> 24140

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B1

<400> 24140

ccgacgcgtc cgccacgcg tccgccacg cgtccggcca cgctgcgcc cacgcgtgcg 60
gccacgcgtc cggaattcg ccgcttgatg tgtggatccg tcgcggtgc cgtcaagcat 120
agacaccaag aaccagacct cggggtggat catcggggtc gcggaggtct actggatggg 180

gtcaagaagt atccgggcaa gtcgtctctg ggaaccctgc ttattgctcg ccggatgcta 240
gcgccgccgt ggactgcgcg gctccgagaa gtcgacgtcg tcgcgacata tcccaggaac 300
cttcggactt ggaacgaaac tgtccataat atggaaagca tgattgggac gaaggtcgaa 360
tcaattctga agctatgcgc aaggaagctt cggctcagta gcagaaa 407

<210> 24141
<211> 411
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-B10
<400> 24141

cccacgcgtc cggattatcc atagagactt gaagtgtgat aatatttttg ttaatgggga 60
ccatggagaa gttgagagtg gagatcttgg actagctaca gtaatgcaa cacctagggt 120
gaggagtgtt attggtaccc cagaattcat ggcacctgaa ctttatgatg aaaattatga 180
tgagcgtgtt gatatttact catttggaat gtgtttgttg gagatcttta ctcttgaata 240
tccatacagt gaatgtacga atccagctca gatttttaag aaagtatcca caggtgttaa 300
acctgctgca ttggctagaa tttctgatct tcaagtaaag cagtttattg agaaatgttt 360
agttcctgct tctgagaggt cgtctgccaa agaacttggt caagacacat t 411

<210> 24142
<211> 125
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-B11
<400> 24142

gtccttccaa attccgggtg cgacccacgc tccggetatc accggtacct tccttttccg 60
ctgctcgcta tgtcgtcttg tctcttacta ctgcgggact gaccaactcc tagttcactg 120
cctac 125

<210> 24143
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B12

<400> 24143

cccacgcgtc cggtattctc tgactgttgc tatacaaagg acctgacaat tctggggatc 60
gacttgacaa aaggtggaat agttgacaat actccacagg ttttccagtt gcaagtggat 120
aacggcatac cgattaagag ctggtttgat gacccctcat atcaggaact gatcgagttg 180
ctcccgttct tggagagcct cgtggattca gaggacgtga ggccaataat ttcaaagacc 240
tttcatgaca aacttgagca gaattagttt gagggcagac atgtatcatc cagtgaacct 300
gtcgctgaag ttagcttcgc tccacatggt gcaggccatc attcttggga agttagatat 360
aggatgaaaa atcacaattt ctgttatgtt agctgttaca aatagcaagc ataaa 415

<210> 24144

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B2

<400> 24144

gactcgagct cggaagttcg catcgaagac tgctacatcg aaagcggaga caacctggtg 60
gccatcaaga gtggctggga ccagtactgg atctcatttg gcaagccgag cacgaacatc 120
gtcatccaga gggtttcggg cacgactacg acttgctcgg gcgtaggcta cggcagcgag 180
atgtcaggag gcatactaa cgtgctcgtc cgtgacctcc acgtgtggaa ttcggcgcag 240
gccgtgaggc tcatgaccga cgtacggagg ggtggctaca tcaccaacat caccatagcc 300
agtgtggcca tggacaaagt taagggtcct atgaagttca tgcgaggcac agatgaccat 360
tctgacgaca ggtatgacct ggccgagctg ccgatgatca gcaacgtgct 410

<210> 24145

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B5

<400> 24145

ggttgtagcc atcatcgcgt gctcgtcgga tagtagagag aaaattgaga tcgcgggcag 60

ttgattgagg tcgcaatcgc accttcgcct aagccaactc aatgcttctg aagatcgtag 120
 gcgcgcgccg cacctggctg tatectcgtg tggcgaagac tgtggctggg cgctgagaac 180
 agagatgtcg cgctggatgc tcatcggggc ttggtgacgg accgtcgtgg tcgccctggg 240
 ggtggaccct agctgcgcgt ggaggccggt gccaaactct cccctctgtg gactactaga 300
 aggccatctc cttccgcgcc gccgttttgc atacaccgat gaagaacctc gtggtgtcat 360
 cgtggggtgg cgcggcgact tctgggaatt gcctcggcga agattgggcg 410

<210> 24146
 <211> 361
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-B7
 <400> 24146

tcccactcct cctaatacaa taaatattaa aacaacacca aacaaaaaca taaaaaattg 60
 gcaaattaaa aaaataagac tgaaatctaa aatattaaaa cctctaacta actactccac 120
 aaatccattt cgagaactac atcactatct ccctcactga caaccactgc ccctccatgc 180
 acacaccacc acatctcgcc ctgcgccatct actccacact ttctgacatc accatcacca 240
 taatcatgct caccaacgct cgttccacct ttagctcaat ttctctcact tcgcgtccac 300
 tacttccttg acgacaactc cttcgttctt caatccctag ttccaccaga tccctaacctt 360
 c 361

<210> 24147
 <211> 409
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-B8
 <400> 24147

cccacgcgtc cggccgacca aacatatggc caaaggatca tcttcctgag cttgaggtag 60
 cattcaaagg tcttggaata ctgatgttgg aagttggctt gatgttggct cgtcattgtg 120
 atcgctatgt aatacagcga ggggtgggac aatacattgg tgaaagcctt gagaagacac 180
 ttgctagctc aaggtgtccc aagggtcgtc tgctgtacta cttccccaaa tcgttttagca 240

aacaggacga agtttcgtca tgggtgtggat ggcatactga ctatggattt ttgacaggac 300
 ttacatgtgg tttgttcacg agaaaatcag aggaggtccc ctgtcctgat attggaactg 360
 ggctgtatgt tcggactcgt gataatcaag tcgtcaaggc cacacttgt 409

<210> 24148
 <211> 418
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-A12
 <400> 24148

cggacgcgtg ggcggacgcg tgggtctcac catctgggtc atctgggtcca atgcttgatc 60
 atttgtcaac aggtgagctc caaagttccc agaggtcatt ctatctgaag tccagtgcac 120
 gaaggtagct catgttgcaa ggaaagaaat caacgaggct ttctatacat tgcgcaatgt 180
 tgcttctgga aaagatttga aaacatatct gatgacagtt acagtgctgt ggttcatttc 240
 cataattgga agctgcttca gtttcttgac tctgtcttac actattttcc tgatggcata 300
 cactctgccc atgttgtatg agaaatacga agatcaagtt gatgtcgtag gcgagaaggc 360
 cctcattgag ataaaaaagc agtacaaagt gattgatgca aagtttatct ctaagatc 418

<210> 24149
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-G8
 <400> 24149

atggattaac agtaaaacaa acaagccctt aatgagtcta gttgatataa aatggattaa 60
 gtgacatgga aaaaaaaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaataaaa 180
 aaactcaaaa aaaaaaaaag gggatctatt ttaaaattac caaaattaaa gttcactaat 240
 tttaaagaat aaatctatct aaaatattca caaaatctaa attatatggc cgctaataaa 300
 aacgtataat ttggaaaaac catcatttat caagattaaa tcctcagtga ataaattcat 360
 tctatggcat tagatacatt tactaaaaaga cctat 395

<210> 24150
 <211> 376
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H1

<400> 24150

cggacgcgtg gggtttacct gaagcacaag aataaacgca gccgggcatg ggcgaagctg 60
 agctgaacaa cgtgaccgtc ctgctgggtg ccctcctcct cctgagcagt ggcgttcagg 120
 acgtgcccgc catgccaggc acgttgaact acgacgcgat tgtcgccgac gagccaaacg 180
 gaaagaacaa ggacctgtac cgtcccgtcg ccaacgcaa taaatacacc cgcgggtgcg 240
 agcccataga acgtgcagg ggcgcgcgct gatcaccaag catatacata tagcacatcg 300
 atttcttatt attgcatgca cgtttatata aaaaaaaaaa ctaaatacat aaaaaaatac 360
 tatgaaaaca aataca 376

<210> 24151
 <211> 273
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H10

<400> 24151

cacacgcgta cgcactccta ttctctcatc actaagctca aactgattac cctcagtgcc 60
 attactggct caagctcaaa cctttcttta acaataccaa cttctatgtc tcatacgttg 120
 acctagctta attctaaata tattatactt accccatcta catacaagaa ttctcaacac 180
 cacgacaagc cagtattaga cctcatatca tcctataact tcctcatata caatgaactt 240
 tactggcttc ccatctgata cactaaacat gaa 273

<210> 24152
 <211> 326
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H12

<400> 24152

ctcactcctt ctctctcttc aattacctgc tcaataaact gcaacgatgt cgaaccgtgt 60
ctcagaccgt ttctacgagc ttctatacat tgatacatatc attgctatac cctatttagg 120
acaacaacgt attcttatgc atatctccat gctgatctta ctactcctta tccatgaacg 180
gaccattaca tagactcttg ccataatcc ttcacataat cctccaaaaa atcagaagca 240
tcacctttag catcaaattt atcttcaaaa tcactctcaa aatcaaactg tgcataaat 300
tcataatcca attcatcatc caaatc 326

<210> 24153
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H2

<400> 24153
gtgaagggag agatagtcct cgcacaattt agcgttgaca actcctggaa cagagctatg 60
attggtaatg gacctcgctt tgggtgaatct ccggacgaca agtttgaagt attctatatt 120
gactatggca accaagaggt gggtacctac agtcgtttac gacctgtaga cccatctgtt 180
tcctcgtctc ctgctcttgc tcagctatgc agccttgctt tcataaaagt gccagctctt 240
gaggatgact ttggtcagga agcagcagag tatctaagtg aatgtttgct cagtagctca 300
aagcaatacc gggcaatgat cgaagaacat gatacttctg gggggaaatc aaaaggacaa 360
ggaaccggaa atgttctcat tgttactctt gttgatgcgg agacagaaag tagcataaac 420
actaccatg 429

<210> 24154
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H3

<400> 24154
ataccttcac tcgtgagata gacctcgcac actttatcgt tcacaactcc tcatacatatc 60
ctatgggagg aattcaccac catctgggtga atctccttac tactattctg aactattcta 120
tattgactat cccaaccacc aagctcttac ctacattcag ctactaacct tatacccatc 180

tacattctaa tctcctgctc tttctcacct atgcaccact tgctttcata atcatgccct 240
atctagacta tgactctcat cactactcac ctcaatatct aaatcactgt cttatcagta 300
actcatatca ttaccgggca atcatctaag aacatgatac ttacgattgg aaatcataac 360
gtcaatgaac cgtaaagtgt ctcac 385

<210> 24155
<211> 399
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-H4
<400> 24155

tccactcgtg cgataaccct ttcacagact ctttttcaca acccttgcta cacacctatc 60
gttggttaact taccttgctc tgtccaatct tcttaccact aactatcaat attctatatt 120
tactattgca accaacacgt gggttacctac acatcttcta ctacctatca acccatttgt 180
ttcctattct cctgctcttg ctcacctatg cagccctact ttcatacaac ttaccattct 240
ttatgattac tttgttcaag aaccattaca ctatctaaat caatgtttgc tcaatcactt 300
aaatcaatac catgcaatga tcgaacaaca tcatacttgt agatcgaaat taaaacgaca 360
tggaacctga aatcttcata atcgatctct attttatac 399

<210> 24156
<211> 252
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-H5
<400> 24156

gcgattcgaa attattcgaa ataaatcgct catgaatccc tgaagcctgc atatatgtgt 60
ggctcccaag attcaggcgg atgagtcgcc acccacgatt cagccacgcy gtaatcttct 120
tttctttctc actgtgctca cctatatgga acacgcaagg caatgcygaca agtacagtga 180
acaatttcct ggctcattca ttatcccata ccaactgggac cattttttacc cgggcaaaga 240
cttttttgcc ca 252

<210> 24157

<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H7

<400> 24157

gttctagatc gcgagctgca tcggtcggcg ccctgtgagg gagaaggatg catatgatgc 60
ggcggctcaa gagcatcgcc tccggccgct cgtccgtctc cgatccgggt ggtgactctg 120
gctccaaaag gccaaaattt gagcaggatg gagcagggga tattgttatt gagccacact 180
taactgaggc caagcctgtc cggatagacc aagaatcatc atcatcatct aatagggagg 240
ctgaggcaag cacatctact agcatgaagc ctgttaaacc tgaagaacca gtagcagatc 300
ttcttcccaa agaattgaat gatatgacaa ttagtgacga taaagctgat gaccataatg 360
ataaggaagg tgaagggtgtt actcttgatg ggaatggagc cgagacagga cagataattg 420
tgacaacaat aggaggtcat aatgggaagc caaagc 456

<210> 24158
<211> 446
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-011-Q1-K1-H8

<400> 24158

acgcgagaaa cggacaaggg agttccgtgc tggctgacgg gacgcccttg gacgctgcgg 60
ctggatgatc cagagctctg ttcccggtcg atcgagtcga gtgcgttcag ttttggacgg 120
gacgcggggg ttggtggcat gtgcggctcc tgatcagaga tctcggcagg catgcagcag 180
cagctgaagg ccgcagggtc accacgtccc cccggctcag catccgcggg ggcgcctccg 240
ccggaggccc gctccccagg tccaaatctt gtcgggtccg agcagctgcc tgttggccat 300
gcacagcgcg acccggcgca tggcagcaga tcgtgcctgc cgcgacctgc gatgtgcacg 360
cgccatgatc gatctggatt ctcgagtgga agccgtncca cgtgagcggg cggctccctt 420
acgaaaaaga tgaactatgg ggggtct 446

<210> 24159
<211> 411

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-H9

 <400> 24159

 ctgatgggaa tggcagcgaa ggagcacttt gtgcttggtc atgggtgaagg gcatggagcc 60
 tgggtgctggt tcaagctccg ctggctcctt gaggggtgctg gctaccatgt tacatgcatt 120
 gacctagccg gaggcggcgt cgatcctact gacccaaca caatccggtc gttccagcag 180
 tacgacaagc cactcataga cctcatttca accttgccgg aggggggagaa ggtgattcta 240
 atcggacatg gtgctggagg gctgagtgtg attcatgcaa tgcacgaatt tgttgacaga 300
 atcagccaag cattttttgt ggcagctaca atgctaccat ttggatttca agctgatgaa 360
 gataagaaag atggggttacc aactttgcct gagaacgaga ttgagttgac a 411

<210> 24160
 <211> 276
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-A1

 <400> 24160

 cacaaaatat tgggagcata tgggttcggat gcatgatatt aataagaggt gtccacatat 60
 gagccactga aaatgcggtc caagcaaaca actcaagttg agacgcgagg acacacacac 120
 actcatctac gatcaagata atattatgac cggaggtagt catttttttg actcctgaaa 180
 aaattcgagg atccaagtcc gcagaactaa tgacatcaat aggtgaggta aattcatgag 240
 tgccgacact aacaaagtct ccgggcatca actact 276

<210> 24161
 <211> 418
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-A10

 <400> 24161

 ccttcacctt caccttccga aaagagagac cgaggaggat cacaggagga catccgggta 60
 agcaggaata gaacaacccc ataaaccata tcggaccata catttgcaaa agcttgctcg 120

ttttctagcc tccaatcgtc cctcaactca agcctgatga aagaagagga ggtgaatcct 180
 taagagcaag cagactttgc tgactgaaca agacatgtga cttggcaaga aagcatggtc 240
 ctttaaccatc tgcagcttct ggctggcct cacaatcaagt aactcagctg caagcggcac 300
 cttctggaca tacctgacat cattaggaaa aatattggca ttagcacgac tccaaccagg 360
 ttgtctgccca tagttttgct ggagggacaa aaacagaagc gttcctgact ctacctca 418

<210> 24162
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A11

<400> 24162

gatgatctga tccgcctcca gttggaaaca ctactagctg agaaagcacg gctggggcat 60
 gagaactcag tatatgcacg agaaaacaga ttctgcggg aaatagttga gtatcaccag 120
 ctactatgc aggatgtcat atatgtagac gaaggcatcg aagaggtcac cgagggtgtac 180
 cctacacaag tactacctcg cactgggtcg agcgtcagtc gtgcagccac tgcagctaca 240
 ccgaaatctg ctccgacgtc aacataatct tgcctgtcg tacaagcttc taaaataca 300
 ctttttcgcy gtcattctctg agcaatagat caaagcggc accccaacc ttcacggaag 360
 agtaagggtg ttgtttggtt gtgacgggac cacataggtt atgctgttac tg 412

<210> 24163
 <211> 461
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G7

<400> 24163

agaagatttg cttgagcata tccaattacc accctgagca ctggcagcct tcatggagtg 60
 gggagtaggg gtggtaatgg atcaagatcc aaatgttttt tcacaatacg ttagggcct 120
 taattaattt tagttcaaaa atgaatagta atagagctcc accctaatacc gatttgatcc 180
 ttaaaattta tagtgtaaaa tctagagccc attaccaccc ctattggtga gtaattctta 240
 gtcatttggt tataaggcta ttctcaatgg ggagtttatg ttgtttctaa gactgccgca 300

tcattgtaaaa aataaaacat ggataaagca tccatcctca ctgcatagtt tcattctatg 360
 gtttcaaata catttacttc acgacttata agagttgtaa ttgtgcccag agagttctct 420
 cttaaaaatg ttgccacatc attaaaaacg cttatgtggc a 461

<210> 24164
 <211> 460
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-011-Q1-K1-F1
 <400> 24164

aattgcgcca ctgctcgta tctctctctt gcattgcatt gcaggtcgta gttgagcagg 60
 ggggaccact gcacaggatg tgggtggcaga cgtacgtcga tgagcacctc atgtgcgaga 120
 tcgagggcca ccacctgagc tctgccgcca tagtcggcca cgacggcgcc gtttggggcc 180
 agagcacgcg attccacag gtgataccaa tttgcatgat cttgttctgt tctagctctt 240
 gcatgccgat cagatcaatc acgcggtttc cttgtgcgca tatgcatcca gttcaagcca 300
 gaggagatga ccaacatcat taaggacttc gacgagcctg tgtttctggc cccgatcggg 360
 ctcttccttg gccccaccaa gtacatggtc atncaaggcg agcccggcg tgatcatgcg 420
 gggaagaaag tactgatgat cccgcgtcgt ctatgctcat 460

<210> 24165
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-F11
 <400> 24165

cccacgcgtc cgcggacgcg tgggctcgtg cgggcagtgc cagagaccg gcctccggcg 60
 ggagggcgcc ggctcgtgct ccttctccac gccgttggcg tcgaggagca gggacgtgag 120
 ctttgacacg cgtggcccca tcgctggag ggggtggggc gaggacgagg cgacctgctg 180
 ctgcccacg ttgcggccg tctgcaggtc gtcgttctcg gcgttcatca ccgaccggcg 240
 cccgcgccc tgctcggcct cctccgcctt ggggtggctct ggcttctcgt tcggtgagcc 300

ctgcgaacca cttgacggag gaggaggagg aggggtcccc atgcccattgg cttccatgcc 360
gagcttctcg ttcttctgcg cgcgggacag cagcgagcca gctgagccac 410

<210> 24166
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F12

<400> 24166

cttttgaga tgaaggataa ccattatgat gctagaacat ttgccgttag gttgaaggct 60
acgatggaaa ccatggataa ggaggtaaag aggtcaaggt tggcagaaca gctgtataaa 120
cattatgctg caacagctat tcccaaagga atccattgtt tgtctctgcg ccttacggat 180
gaatactcct caaatgctca tgcacggaaa cagttaccgc caccagaact gttacctttg 240
ctttctgata attccctcca acattatatt ctagccagtg ataataattct tgctgcttca 300
gttggtgtca gctcaactgt acgatcttcc tcaactgctg agaaagtagt ctttcatggt 360
attaccgata agaaaacata tccctgggatg cattcatggt ttgctcttaa ttc 413

<210> 24167
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F2

<400> 24167

cccacgcgtc ctaacacctg caatgggaga gataccatgt ttgttttgcc gcctctgtct 60
gctgactagt acattcaaag ggcttatgaa ctcttatgtc tcattctgag gattcaactt 120
tctaagtatc ccccatcaac tctcttatct tctgtgtacg gcacctcctg tttattcaag 180
ttattcatga atggttatct cggccttttg gtatgttcat acaatagcca cctttgaaat 240
ggctgcaggt tttcacgcat tgatccagta cactgatgca gatactgcct cagctgctag 300
agaagcctga gattgataga gcatacctaag ttacttgctt gcataacacg tttcatcctg 360

<210> 24168
<211> 429
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F3

<400> 24168

cagcggctgg aggctgctgc cggggtcgcc ctccaaggcg accagctgac ccctttcggc 60

cggagcctct tcatgggcgc agctggcggc cgcgagcatg gcagtggcgc tgggcgacta 120

cttctctggc ccagcctcg acgctctggt gcagcagctc gctgagaacg acgcgggacg 180

gcacgggacg ccgccggcca agaaggaggc cgtggaggca atgccgaccg tggaaattgc 240

cggtggcaac gatgacgaca cggacagctg ccccgctctgc ctggaggact acacggcccg 300

cgagcgcgct cgggagatgc cctgcaagca caggttccac tccaattgca tcgttccgtg 360

gctcgagatg cacagctcct gccctgtctg ccggttccag ctgccgggca ccgacgacaa 420

gggctcatg 429

<210> 24169

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F9

<400> 24169

tcggggattc ctgctccgcg agtggcgccg acaaaatgct attcaccttg aggaaaaagg 60

agaagaagga gaaggagctg aggagccaaa tcatcgttga tgctgaagag tttaagaaag 120

cttttgttga gaagagaaaag ctcaatgctg agacaagcaa gggccaaaac cgtgacaggg 180

agaagctttt cctagcaaac caggaaaagt tccatgctgg tgcggataag caatactgga 240

aggcgatatc tgaacttatc ccacatgaga ttgctaacat cgagaagaga ggggcaagga 300

aagacaagga gaagaagcct gggatcgtgg tgattcatgg accgaagcct gggaagccaa 360

cggacatggc acgcatgctg cagatattgc tgaagctgaa gcaca 405

<210> 24170

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G1

<400> 24170

atggcgagga gggcgactgt gatggtgctc gcggcggcgc tcgcggtcct cctgctggcg 60

gcggcgtctt cgaagacggc ccccgctggc agcgccgcc gggacgaccc ctccgcagcg 120

gcggctgcgg ccgtcacttc ttctcgtgac ctgcagaagg atggatcggc ggctgcagcg 180

gaaggggaagg ggaaggagaa ggagtgcgag ggcgccaacg acgaggacta gtgcatgatg 240

aggcgcacgc tggccgctca caccgactac atctacaccc agcagcacca cggctgatcc 300

aatagaatcc gtcctacgtt acatgcgttg ctctcgtacg tgtgttcgtg tccgtgcgtg 360

ctcgtgtcgc gtactcgtgt gtgtgtgtgt gtgtgtcgtg tgaaacgcca gcgc 414

<210> 24171

<211> 377

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-011-Q1-K1-G11

<400> 24171

cccacgcgtc cgcggacgcg tgggtccgaa gctgaatggt agttcacgct gagcaacggc 60

gattggcccc tgtggactca cttgtacatg aaactgtagt gccagccaac cagaataaat 120

gtaaattctag tcggccggcc ttccaaagag aagttcttta ggcctaggaa agaaatgtaa 180

tctgtttctt aagcttagcc tccattaggg gtccttcaat atccgattag ccaatgaaat 240

tggctcttagg accatggttt tagtaaacca gttaatcaaa tctatatattcc tggagttgcg 300

tggcttaaaa tnaaccttga tatatatattca gttcacaaa aggtggcagt atatacaaat 360

tttcttgtga aattgta 377

<210> 24172

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G12

<400> 24172

cggacgcgtg gggcagcatt taagctgcct caacactgaa gccttcggga ccgccaggtc 60

tattaagtgc agccatgggt gcctgtgcaa cgaagcctaa gacgcttgag gggaaagccc 120

cagctgaggg caccatctcc acacccaagg ttgcacctga gaccactgcc atccacattg 180
 aggttgccggc gaaacaggca gtagttgaga aggtggagga ggacaaggag gaggcactaa 240
 cagtggcggc gaaacaagag ccagcagcca ccatcgagcc tcaacagatt gctgggtgagg 300
 tgaccacttc ggaagtggcg gtcgtcgttg tcgagcctga gaacaaagag gaggaggaag 360
 ttgtggagaa gaccgtcatc gagaaggaga agccatcagc agtccatgaa gagg 414

<210> 24173
 <211> 165
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G2

<400> 24173

gtgacccggg cgcaatgccg ggagccgtga tcgtgcacca ccacacgagg tacaagacgt 60
 ggcgcggcga ggtcaccggc atcgccatct tctcgtgctt catcgccctcc gtcgccgggt 120
 gcattcttcgg ctatgacatc ggctcacat ccgggctgac gtcga 165

<210> 24174
 <211> 386
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G3

<400> 24174

cccacgcgtc cgcggacgcg tgagtgggccc ttcatttctc ctagaaagtc gagaggagaa 60
 gaaggcgaga cgtgcagtcc gtcgggctcc gatcgagaac agggagcaa gaggctgcta 120
 gatcgagctc atcaaccaac caagtcgtac gtcgtcagca tcacgaccgg atggcgcggtg 180
 ccacgtccag ctatgtatcc aggagggggc tctccacagc gatgacgggtg gccgaggagt 240
 ccgtgaagaa cgtggaggac aaggcggtga agctgggaac tgtggccaat gacatcgcca 300
 gcgctatggc caccacgacg gacgagaaga cggcgttctg ggaaccttac cccgagaccg 360
 gatactaccg tccggtcacc ggcacg 386

<210> 24175
 <211> 408

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-G5

 <400> 24175

 cggacgcgtg ggcggacgcg tgggacagaa gttcatttct tctggtgctt ctacttctag 60
 gttttatggg gagaacatcc aacaattgtg tcttggttgc catgtggaag tactctctca 120
 agatagtggg ataaggggat gttggttttag atgtttgatt ctgaagaggc ataaagataa 180
 aatcaagggt cgctacctag aacttcagga tgctgatgag actggaaact tggaggagtg 240
 ggttatgcta acacgagttg ccaaacctga tcaactgggt gtacgtttcc ttggaaggcc 300
 aatggttcgt ccacagcgcg tggaacaaag caaggcctca tgctttgatg ttggagccat 360
 tgttgatgcg tggtagcatg gtggctgggt ggagggaatc gtgctgta 408

<210> 24176
 <211> 456
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-G6

 <400> 24176

 cagaagcggg ctctcaagct aggtcgacgt agagctggaa tgtgggctcc acaattgttg 60
 gggtaggtaat gatatcgcat tgcttgagc tgtaatgcat tttgtatgtt taattattgc 120
 ttagccatca tttgaacttt tctcactgtt ttcatacgca gctagactta aatacattgg 180
 cctctacctt cttaacatct tcaatttgat tttgacagaa ctgtcggcac tcattccaca 240
 cctgttatct cattcgcaat gcaagggttc accttcttat taatgtgtct tcttgccctc 300
 atcttttctg taagttaa tgactatatg attggaaatg ggcagcatcc cgaagttttt 360
 catttggtac aaaattttaa tttggaggac aagtatctc cattttctct tctgaaggga 420
 tacattcaga aggccaatca tacttttgtg gagatg 456

<210> 24177
 <211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-D10

<400> 24177

ctagaaaacg gaacaccggg ggtccgcat tgtcgggatg cggcacgatg ccatctgccg 60

cctcgggtgc tcgcctctta tcgcatccgc gtcctcccc accctgtcgc cgcggacaac 120

gatgacgtgg gacccttgcg cggcctcttc gtgctatccc gcgaccccg agcgcaagaa 180

tcagtcgtcg ccccggtgc gtgttggggg gttccatggg gagccaccgc tgtcgccgtt 240

cctcgcctct gtcgacggcc ggaatccatg gaattgatgc ggagcttcga ctggacacgg 300

ggaagctatc ccgaccgcca atttgatgaa cggccagtgc gaactcgggc aatggctcac 360

cggaggagtg gcgtccgtcg cgggccgcgt tccatcgtgg gcgttcgtct ccgtgcc 417

<210> 24178

<211> 86

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D11

<400> 24178

tctccaacct tcaataacct cttctcctta ttactcacat gctctacaat cctatctgag 60

cacatattat actcgcccta ttatca 86

<210> 24179

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D12

<400> 24179

aagatcccac cggctccgc cggccgtcgc cgacgagcac cgcatactga cacagagggg 60

ctgacgagcc atcgcgtgcg gcctcaccgc ggatggcgac catggagagc ctgatcgggc 120

tggtgaaccg gatccagcgc gcgtgcaccg tctcggcga ccacggcggc ggcggcgggtg 180

agggtccct ctgggaggcg ctcccctgcg tagctgtcgt tggcgggcag agttccggga 240

agtcgtctgt gcttgagagc atagtacgga gggacttcct gcccctgga tctggtatcg 300

tcacgaggcg gccttttagtg ctgcagctcc acaagacaga tggtgggcac tagtatgctg 360

agtttctaca cgccccgcgg aagcggttca ccgactctgc tgctgtgagg aaagag 416

<210> 24180
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D5

<400> 24180

gttacagcac tagcagtaac cattggcttt ctaagatggc tttaactgct ccctcttggc 60
ggcagcaact atatttgcag gtgtggtaat gtacgatgct tctggatatca gattgcatgc 120
tggaagcaa gcagcggtag tgaaccaaag agtttgtgaa cttccttctg aacatccctt 180
gtctgaaaca agaccactgc tagaactttt aggccatata ccaaccaggg ttgttgctgg 240
cgcatagctt ggggtgtacga tagccacagc aggacaatta ttcgtttgaa ctccgaaggt 300
gcaggataaa tgttgatatca tttgcatcgc ggagacttga gaagaagttt ctctagtgtt 360
ctgctactct aagtatcggg aagattttca acttgggtgct gtaatgtttg tgaatgttgt 420
aagc 424

<210> 24181
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D7

<400> 24181

acgccccgc caccggccgg atcgacagca ccgatcacc tgaccgtctg cgcgcgccgg 60
gtctcactcc ggtgacacgc agggcgcgca taggcgaggg cctccccccc cggcgagggg 120
tggtgtggtc ggctgggatg gcaacaatgc gaggcgcctc cgccgcccgc ctactgggtc 180
tggcgctcgc cgccgccgtg gcgcgcgcgg aggacccta ccacttcttc gagtgaagg 240
tgacgtacgg gacgaggacc atcatgggga cggcgagaa ggtgatcctc atcaacgaca 300
tgttcccggg ccctaccata aactgctcat ccaacaacaa catcctcgtc aacgtgttca 360
acatgctcga ccagccgctc ctcttcacct ggcacgggat ccagcagaag aagaactcgt 420
ggcaggacgg catgccgggc accatg 446

<210> 24182
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-D8

 <400> 24182

 cccacgcgtc cgggcaccaa cacggcggcg ctgagctagc cagtcactca atctaagggg 60
 gctacattca cataagaggc taataccttc tacaccgtta tctgctcatc cttctacttc 120
 actgataacc tcatggccta catacactac tcatcgtaac actatgaact ctctcgttc 180
 tatctcaaca ctaaccttct acaccctatc tactacatct tccagctact tctacattcc 240
 cagaaccata tacgagccac actccacgac tctaaacaca gatcacttca caaactgttt 300
 cacatggcat 310

<210> 24183
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-D9

 <400> 24183

 cccacgcgtc cgctaccctc gtcgtcgtct cactcacccc gccttcacgc ctccctcgcc 60
 aaataaggtc cgggcgcttt tccgacattc acagggggga caggaaatca gcggccatgg 120
 cctcgattcc ggcgacgacc ttccgctca tcttatccgt cctcttctgt gccgcggctg 180
 gcaccgccgt cgacaacgac ctccccgact acgtcatcca gggccgcgtc tactgcgaca 240
 cctgccgcgc cgggttcgtg accaatgtca ccgagtacat cgcgggcgcc aaggtgaggg 300
 tggagtgcaa gcacttcggc accggcaagc tcgagcgctc catcgacggg gtgaccgacg 360
 cgaacggcac gtacacgac gagctcaagg acagccacga ggaggaca 408

<210> 24184
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-E1

 <400> 24184

ctcaccttct cactctcatc cctccacacc aaccatcgac tgagcaccag tcgtctcact 60
ccattccgtg ggcgtgctct catattcaac ctactcccc ccctcagtgc catcgctttt 120
cccactggaa ttaccccact ccgctgctca ctcatctccc cttttctcct cacttcacca 180
cattatccac tctatccata cctttacccc tctcaactgt tcgatttgca tcccactcac 240
aacatttatt atacagagcg ccacactccc attgctcttc aaccaattta atgccacgac 300
gaagctaata tcaactaata cacatattca actcattaaa gaccatatga ataattattga 360
tccaaaatca cttcattacc tacaacctaa tatttcaact ctatttcaaa aacatggact 420
taatccactt actccaatt 439

<210> 24185
<211> 413
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-E10
<400> 24185

tctaaataga agcaatactg atggcccaaa acaagatgat tgtggtggtt ctctggggg 60
ccacctttct tgtggtggca agatcgttgt gggttccaga agaaccctca aatgcggatg 120
acataagagg tgcttgcacg gaggagtgc ccaaagaaaa taaggctcct ggcgacaaga 180
agacatgcga agtgttgtgc accaagctca caaaaagcc tagcgaagaa ggcaaacatg 240
attgatgaag tagcactccg ataatatata ccctagtggg tcaagtggta tctttgtagc 300
catgtctgcc acacgatggc cttgactata ttgtcttatt gttttgttta tggtttccac 360
tagtatccta attccttggt catataacct aatttcactc aaagcatttt ata 413

<210> 24186
<211> 389
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-011-Q1-K1-E11
<400> 24186

cgcctcaaca cgctccacta cgtgctgacc cacctggagg ccctcgacag ctcgctcgcg 60

gcctcgacct ctacgtgga ccgtgcacgc gccgcggcgc agtcgtcgat ctcgcccgtc 120
gccgaggctcg ccgcgcaccg gctgatctta ctggactcgc gccacttctt gtaccagggc 180
ctgtacgccc gcagtgtggc ggacgcccgc atccgccccg cgctccgcct gctgaagcag 240
aacctgtcgt tcttggtgtg cgtgctcgcg gaccgcgcgc agcccgtggc ggtgcgggag 300
gtgatgcgcg cctncttcga ggcgcttctg atggtgctcc tggcggggcg caacgagcgg 360
agcttcgtgc gcgccacca cgccacggt 389

<210> 24187

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E12

<400> 24187

tcgcccacgc gttcggagaa ctgtccgctg tcgtgactga cgttggggag gtcgtccgtg 60
ttcttgattg tgcgcagacc tgatcttgtc gcagtctcct tttccacgtt gctactttac 120
tgtagcattg cggtagacga catgatgagt gctgaagggt gatggcaatc aaccactgca 180
tagaactata tagctgtcat cctgttctgt ctgtcatcta ctgactgaga ccaattatat 240
gacagacggt tgctattggc tgtgctctag atcttagtct gactgacgta cttaacgcag 300
cggtcttcta catacttatt gacattgctg gtaatagta 339

<210> 24188

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E2

<400> 24188

caagcattga agccgtagcc gccgccgccg gacgagacag gttgaggcgg ggcggcaatg 60
gccgccgggg accttgaggt gctcacccgc ctgcacaccg cgaagacgca atggtaccac 120
ttcaccccca tcgtggctgc cggcatgggg ttcttcaccg acgcctacga cctcttctgc 180
atctccctcg tgactaagct cctcggccgc atctactaca ccgtggaggg gtccgcgacg 240
cccggcacc tcccgcgcga cgtgtccgcg tccgtcaacg gcgtggcctt cgtgggcacg 300

ctgtcagggc agctcttctt cggctggctg ggcgacaagc tcgggcgcaa gaaggtctat 360
ggcatgacgc tcatgctcat ggtcctctgc tccgtcgcgt cggggctctc gttcggccac 420
accccggcgt ccgtcatggc gacgctgtgc ttct 454

<210> 24189
<211> 394
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-E3
<400> 24189

tcctcacgca tctaacaccc gtactcgcct cgccaccata ctacacagca tgacgtcgga 60
ctctcaacgg cgggccctct accaagagga ggtaaccctc cttgacaccg ccaagactca 120
ctcttaccac ttcaacaagc tcatgagcaa acccatcaaa ctaacacacc tacacctacc 180
accatttatt cctcattcta aaaactcatc ttctttgtct gatctacctc accttgcata 240
tatectcaaa acccacaatg ataacgcaa acatgctctt gaccatgaac cacatggaca 300
tgaaatgcac tctttaccat gcagactctt ctaagcatat ctaatctaca tgctctttag 360
caaaaaagct tatgccctta cactcatgct cata 394

<210> 24190
<211> 443
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-011-Q1-K1-E4
<400> 24190

cccacgcgtc cggaccaagg cgaccgtgga ctacgagaag atcgtgcgcg acacctgccg 60
cgagatcggg ttcacctgcg aggacgtggg cctcgacgcc gaccgctgca aggtgctggt 120
gaacatcgag cagcagtcce cgcacatcgc gcagggcgtg cacgggcact tcacgaagcg 180
gcccagaggag atcggcgcgg ggcaccaggg ccacatgttc gggtagccca ccgacgagac 240
ccccgagctg atgccgctca gccacgtgct ggccaccaag ctgggcgcgc gcctcaccga 300
ggtgcgcaag aacggcacct gcgcctggct gaagcccgac ggcaagaccc aggtgacggt 360
ggagtacgtg aacgaggggt gcgccatggt gcccgctccg gtgcacaccg tgctcatctn 420

cacccagcac gacgagaccg tca

443

<210> 24191

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E5

<400> 24191

cgataagcct gtggagtgtc cgggcaagcc cgtgggtggtg cacatcacgg acatgagcta 60
ggagcctatc gcggcgtagc acttcgattt agcaggcacg gcgttcggcg ccatggccaa 120
gaagggcgag gaggagaagc tgcgcaaggc gggcatcatc gacatgcagt tccgaagggt 180
taagtgaag tacgactcca aggtcacctt ccaccttgaa aaggggtgcg gcccctaacta 240
cctggcgctg ctggtcaagt acgtcgatgg cgacggtgac attgtggcag tggacgtcaa 300
ggagaagggc tctgacacgt acgagcccct gaagcacttc tggggcgcca tctggaggaa 360
ggacaggctc aaaccgctta aggga 385

<210> 24192

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E6

<400> 24192

ggcttctcct cccctctta ccaagtcctc ttcgggtag ggttacttag ggttttgtgg 60
aggggcgatg gcggcggtg atgtggagta ccgttgcttc gtcggcgggc ttgcctgggc 120
caccagcaac gagtcgctgg agaatgcctt cgctcctac cgcgagatcc tcgactccaa 180
ggtcatcacc gaccgggaga cggggaggtc tcgcggcttc ggcttcgtta ccttctcctc 240
cgagaactcc atgctcgacg ctatcgagaa catgaacggc aaggagctcg acggccgtaa 300
catcacggtt aaccatgccc agtcccgtgg cggtaggtgt ggccgcgggtg gctactgcgg 360
cggtcgcggc ggcggcggtc atggtggcgg gcgccgtgac ggcggttatg gcggccgtgg 420
cggctaccgc ggtaggcggc aggggtggtgg c 451

<210> 24193
 <211> 425
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D1

<400> 24193

```

cccacgcgtc cgcgtcgcaa ccacggctga tagtttgtac gttgccgtca cgtttgctcc   60
aggggcgcca tttattttct tatcatataa aaaaagagaa cagatgattc ccatggagaa  120
tatgctctcc aaagttacaa ccctatTTTT taaaggattt ctatattact gaagaaaatt  180
agtttattta tttatggaaa aaatagaaat tattaagcaa aatgggtccc aaactatacc  240
tggtcactag tgtagctggt aatccgccat tccgcgcgag atcagtaggg tgcgcgtgct  300
ggtgctggct acggccatgg cgacgccac cagcaccgtc acccgcgggc gcaacaggca  360
ttggcattgt acccaagtgc ttccactgct gttgctagta ccactatgct tcgcgcttct  420
ggttg                                             425
  
```

<210> 24194
 <211> 305
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B3

<400> 24194

```

gcgaagcccc ttgaaatgaa tgaaccatgc atgcatgcat gtatgcatgc gccgggggtga   60
ggtggcgctc agctcaggcg ctgagcgagt ctatacttac gtcgtcaccg gctggccacg  120
catgcgataa ccatctgata tggacggaac tatatattgt attcctatta atctggcatt  180
ttctaagcta attgtttttt ttccaaatat accgtcgatg gaactccaaa tgtaatgtca  240
cgcaaagtgt tgtttttcat cgattgaatg gataataata aaaaggcatg ctggcagtta  300
ctact                                             305
  
```

<210> 24195
 <211> 342
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B4

<400> 24195

tccacacatc ctataatact aataaaatgc ttgcatgcat atattcatgc aattccctta 60
cgtgtcctaa aaatgaagca ccaatctatt ctatacgtac aacataacca aataacaaac 120
acactgaaca caataatata atcacacaaa atactatatc tgtatttcta ttaatatcga 180
tatttttctaa gctaattgcc agacaccaa atataccaaa actataactt caaaccta at 240
ctaacgcaca actgtcttct tgatcaattt aatgcataat actaataacg cttgttcgta 300
cgtactacta tacttctcca caaggaaacc agtaaacagc aa 342

<210> 24196

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B6

<400> 24196

cccacgcgtc cgggcgggtc gcgatccagg tgacgggggt cctgatgatg acggtgtgcg 60
tgctggggct ggccgtgccg tacgagcact ggacgacgcc ggggcaccac atcggcttca 120
tcgtcatgta cggcctcacc ttcttcttcg ccaacttcgg gcccaacgcg accacgttca 180
tcgtgcccgc ggagatcttc ccggccaggc tgcggtcgac gtgccacggc atctcggcgg 240
cgtcggggaa gctgggcgcc atcatcggct ccttcgggtt cctgtacctg ggcgagaacc 300
gggacccggc caagacggac cacgggtacc ccgcgggcat cggcgtgcgc aactcgtctg 360
tctactcgc cggctgcaac ctgctgggcc tggcattcac gttcctggtg ccggagtcca 420
agggcaagtc cctggaggag atgtccggcg agaacga 457

<210> 24197

<211> 334

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B7

<400> 24197

cccacgcgtc cgcacgctgt tattgccacc ttacgagcat cttgctgaag actgtgggcg 60
ggctggaact gcgggtgggg tactagcact ggactactcc ggggcaccac atcggcttca 120

tcgatatgta ccgcctcacc ttcttcttcg acaacttcgg acccaacgcg actaccttca 180
 ttgtgccctc agtgcatttc ccggacagat tgccgtgtac gtgccacggt atctcaactg 240
 actcacgaaa gctggagcgc tatcatcgtg atgcttcaag ttcctgtacc tggcgcaaaa 300
 ccgtttaccg ggccaagaca gaccactgat accc 334

<210> 24198

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B9

<400> 24198

gtgcagaaga gaagcagaag gtcacaccgc gcactgtcat gataggaggg aaagcgtggg 60
 caacatacac taatgccaaa agaatagtga aattggtgaa tgatgttggt gctgttgtga 120
 acaatgatcc cgaagttaac aaatatctga aggttgtctt tatcccaaat tacaatgtat 180
 cagtggctga agtgcttatt cctggtagcg aattgtcaca gcatattagt actgctggta 240
 tggaagcaag tggaacaagc aacatgaaat tctctctgaa tgggtgtggt atcattggca 300
 cccttgatgg agctaattgtt gaaataagag aggaggttgg agaagataat ttcttccttt 360
 tcggtgccaa agccgatgaa gttgctgggc tgaggaaaga cagagaaaa 409

<210> 24199

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C1

<400> 24199

cggacgcatg ggacacatggc gtacagcgtc atcggactgc aggtggtgca gacaggaaaag 60
 ggggtgagga aggccaagct gatcggcgcc acggagatcg cgtggccag cctcgacgag 120
 ctcgccatga tggccgtcgc cctcgctcgt ggggacgccg agcacttctg ctgcctggcg 180
 gcgctctcgg gcgcacggt cgcgcacgac gattgcctgt tctgcgcgtg gctgaccaac 240
 cccaccgacg acctcatgag gctcttccca tgatgataca ggaataggac taggagacgc 300
 aattttttgg ataatagtca attcgtgtac ctagctccaa atatttagca ggtataagct 360

ccaatcattt acgcgtactg catccacttt gatTTTTgaa atcaatatta taggaaagac 420
ataaacttgc aataacttta tccaaaata 449

<210> 24200
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C10

<400> 24200

tcgaaaaagt atcaatcggg tttgttaagt gatggtgttc ttttatcgaa ctgggtagga 60
gaagatggca gcagcggagt tctaggactt gtgcgtgaga ggctcctatc attgtatact 120
tgtgctgggt gtggcttgga agctgagcac caactttggg aaatgaagct tcttggccga 180
gaacctgata cacagctcta tgatgttgta ttggcaattt gtgcttctca aggggaagct 240
gctgctgttc gacgcttgct tgcaggagtc gagtcaacca gcgccggaag aaggaagaag 300
tctatgtcat ggctactgag aggctatgtc aaaggtggct tcattctaga cgctcagaa 360
acactcatac agatgctgga catgggcttg ctctctgatt acctggatag agctgct 417

<210> 24201
<211> 265
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C11

<400> 24201

cataggaaca aattaaatcc acatgccatt ggtcgaattc acatgcaggg cagagtcctt 60
cagttagaaa aggaaaccaa tctattaatc gagcatagca ggccgtatca cgagagggac 120
ttggctacgg gggcgggtga aaggaggcct gatagcaagc cgacgacaag cgctctgttg 180
tacgtggtcg gctcgttctg ctgcacattc tccctgtcgt cgacaaacga gtcgttcttg 240
aacggcccgc cgaccagctc gccca 265

<210> 24202
<211> 365
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C12

<400> 24202

cggacgcgtg ggctgtaaag aggaaaatgg tggaaaaaaa aaaaaaaaaa caaaaaagga 60
aaaaattaac agaaagggtg ggaatctcga acatcttatac tgatcccacc tacgttatct 120
ttcatccgat gtgctacctc atttatactg tccacctgac aatgtctact ggccggattg 180
ttacaacgac gccattccta aaacccttaa ttacctaata ttaatcgctt tggacaccat 240
gcatatttca actgatgcc aataactaa tattccccta ccgcacgtac gcttaacta 300
gtactacact ctgaatgtca tatggcacac tctttctagc gtcacattaa actcggccta 360
ttttg 365

<210> 24203

<211> 461

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C2

<400> 24203

cggacgcgtg ggcaagaagt cctgaatcg cagagaaaga atgaagaagc tatacaactg 60
gaggagcgtg atcgggcaac ggtcggaaag gagctggaag atatagaaag gagacattgt 120
gatatgactt caatactgca tgcgctaggc atctcagttg aagggtggtga ggttaaagcc 180
ttcaagcaag ctcttctgaa attccatccc gacagggtat caaggaatga tatttatcaa 240
caagtaaaag cagaggagac atttaagttc atttcgcggc tgaaggagaa gctacctcgg 300
ctatccta atgcatccca ctcttttttc cacatgcctt ggcgcatcct ccattcacct 360
gtaagggtcaa ggtacagaat tcagaggatg tttattggcg ttatttataa gtaactaggg 420
ctttaacttg ttaaagtgtg ttttgtgtgt gtgtgtgtgt g 461

<210> 24204

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C3

<400> 24204

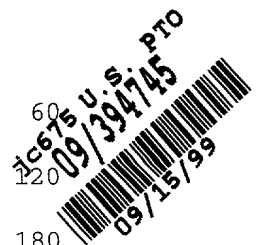
ccaagatctg gaagggccag gtgggaggac caagcttcgt cgacgtcgac tctcgtcct 60
 ggcgcgctc gctcgtgct ctgcaattct ccgcagccct cctctttcgg tctttcccg 120
 tggcttcctc ttttcaaac cctcgcta atctcgtgcccc gtcccaccca cctctagctt 180
 cgaatcctag cgctcgcct ccgcattcta gggtttcccc gcctacggcg ccggccatgg 240
 aggcggtggt cgtcgacgcg ggctctaagc tgctcaaggc cggcatcgcg gcgcccgacc 300
 aggcaccccc actggtaatg ccgtcgaaga tgaagctgga tgttgaggac caggagctgg 360
 ctgacggcgc ggtggtagag gagtggtgac accctgtggt gcgcggcttc gtcaaggact 420
 ggga 424

<210> 24205
 <211> 303
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-C4
 <400> 24205

tccgacacct ggattttcca cttttttaat actactcttc ctacactctt actatcaatc 60
 cttcctctct ttaatctctg gtctgcaatt cttatcatcc ctcctttttc aatctatccc 120
 actgtattac tcttatcaaa aaccacacta atctaccacc ctatcccacc cacctctatc 180
 tccgaattct agctcctctc atacacattc taccatttcc ccgactacta aaccactcat 240
 aaaagcaacc atcatagaca ccaactctaa caatatcaag atctctaatt cccctcctta 300
 cca 303

<210> 24206
 <211> 443
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-C5
 <400> 24206

gggactcagg cggtagggat gaccaggatg atggggagag ggagatccag gagctctggg 60
 ataccattgc tgggtggtgag tcagaggatg accaagaagg tgttagaacc gtagatgatg 120
 ataatttcat tgatgacact ggagttgatc cagctgatcg ttatggcagc gataatgagc 180



gacattcacc tggacgttat gcacaggctg aggaggggtga ggaggacgat gaaatcgaac 240
aactcttcaa ggggtggttaag aagaagaaga agaagaatga tcgccctcgt gcagatattg 300
gccttatagt ggaacaattc attgctgagt ttgaagtagc agccgaagaa gatgcaaact 360
tgaataggca atcaaaacca gccattaaca aacttatgaa gcttcctctg ctcatagatg 420
ttctcttcaa gagaatcttc agc 443

<210> 24207
<211> 455
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C6

<400> 24207

actcactcac ggcgtatgca tgaccaggat tatctgaaca gggagatcca ggagctgggc 60
gataccattc ctgggtgggga gtcagaggat caccaagaac gtgttagaac cctacatgat 120
gataatttca ttcattcacac tctagttaat ccagctgata gttatgccac ccataatgag 180
ctacattcac ctgtacatta tccacacgct gaggaatttg aggatgacta tgaaatctaa 240
caactctctc aggatcatta gaagaacatg aacaacaatg atcgacctca cgcataatatt 300
gcccataatag cggaacaatc cattgctcaa ttccaagtat catcctaaga acatgcaaac 360
ttgaataggc catcaatacc agccattaac aaactcatga agcttactct gtcatacat 420
tttctcttca ataataatct tcagcaggaa tttct 455

<210> 24208
<211> 233
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C7

<400> 24208

cctcctatct ctatcattcc caatatctct ctctaattaa caaccttact aatctcatgc 60
cccataccac ccacctctaa ctccaatac taacacctcg actccatatt ctatattatc 120
cccaactact gcaccactca ttcaaaccac tatcgtagac gcaaactcta atctgctcaa 180
aacctacatc gcatctccct accattcacc cctactggta atgccactta aaa 233

<210> 24209
<211> 175
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C8

<400> 24209

ctctcgtcgt gccaccctt tccatctggc tgctggccct tttttgcaat caatcggtagg 60
gctcttggtt cttccgtctg ctggggtgaa tctctctctt tctcttccgg gagaaaccag 120
aagagagaga aggaagaaga aaaatcgga ccagcctggg ctttttgccc ggaat 175

<210> 24210
<211> 361
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C9

<400> 24210

aattcggcgt catcctcgtc ggacaaaagc aagagaaaaa ggtgatggga acccatagac 60
cagcctgtaa ggccttggtc ggggaacgaa gtttatgtaa ataatgcttc tactgtgaag 120
agttccatca tatttggtgc tccagaaaag accctcagac cgggtgtttcc tgaaccata 180
ttcatacaaa gacatcagac gatgaataat gttgcgagta gtcaaataaa ataaataact 240
tgtatagtga ataactagaa actagcattc atcggttttg tattgtatag cgctagagtg 300
taattgtttg gtcggactgt cttgtataat ggtgtagggc tcaaacgcat tgtgacctag 360
c 361

<210> 24211
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B12

<400> 24211

tgacatgcct atggtcagaa gagcagctgc atcaaattctt ggaaagtgtg cagctgcgcg 60
tgaacagaat catgtgaaga cagaaataat gtcaatatctt gatgatttaa cccaagatga 120

tcaagattca gtgcgtctga tggctgttga aggctgtgct gcccttggtta aattgttgga 180
accacaagat tgcgtagcac acattctttc agtcattgtc aatttctccc aggataaatc 240
atggcggtgtt tgttatatgg tcgccaatca attatatgag ctctgtgagg ctgttggtccc 300
tgagcctaca agagctgatt cgggtgcctgc ctatgttcga ctacttcgtg ataatgaagc 360
tgaagtgcgg atagcagctg ctggaaaagt aactaagttt tgccgcatat taaa 414

<210> 24212
<211> 265
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H3

<400> 24212

gccgtcacgc cgatcaagaa ccagggcccg tcgtgctcta gctgctgggc attcgtgacg 60
gcggcgacga tcgagagcat caccaagatc acgacaggga ggctgggtgtc gctgtcggag 120
caagagctga tcgactgcga cccctacgac ggcggctgca acctgggcta cttcgtgaac 180
ggctacaggt ggggtgatcca gaacggcggg ctcaccaacg aagccaacta cccgtaccaa 240
gcgcggcggg acgcgtgcaa ccggt 265

<210> 24213
<211> 193
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H4

<400> 24213

cccacgcgtc cgcataaat aaacaagcgc acacgaacaa atacctcgcc gccaatagtg 60
ggctccagat cctgcattgt gctcgccacg gcgatgctag ctacactatt cgcggttggt 120
ttgtgcacca ccccgctcac cttccaggtc ggtaagggat ccaagcctgg ccacctgac 180
ctcaccgaa acg 193

<210> 24214
<211> 74
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H5

<400> 24214

accacgcgtc cggccacgcg tccgtccacg cgtccgccca cgcgtacgcc cacgcgggcg 60
gttctagatc gcga 74

<210> 24215

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H6

<400> 24215

cccacgcgtc cgaccacgcg tccgtctcaa ctctcctttc ctctcgtggg cgatcggctc 60
tctcctgcgg cggcggcggc gatcaacgtc gacgactacg gtccacgatt ctccttcgaa 120
gcgcgaatca tgatacattt tgtgctcctt atcagcaggc aggggaaggt gaggctgacc 180
aaatggcaca ctccataccc acagaagcag agatccatga tcatcacaga gattagtacg 240
ctcgtcctga caagaagccc caagctgtgc aattttggct actggcaagg ctacagaatt 300
gtgtacaata gggatgctag cttttacttc tgcattgggca ttggccactt tgacaatgaa 360
ctggaaa 367

<210> 24216

<211> 230

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H7

<400> 24216

ctacgcacca ccattatatt gatcgatcta tgctgctgct ggtcgcaaac gcgcgggggc 60
ttcacgggcg gccctctccc gaaaatcgag caccagagtg ttccaatccc ttctccatat 120
aattattggt gttagtttcc tgctttccct agtcctcgc aatcaacaga tacctcatgg 180
acgatcagga gaacgagaat gagcacgaga agcatgccta tgctgggact 230

<210> 24217

<211> 412

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-010-Q1-K1-H8

 <400> 24217

 accacatacgc aangatcttg agttgacgtc gtcacact gaaactactg atgatcgttt 60
 tgaagtgaat gacattgaac caccagctaa ggaagtgggtg gtcgttgatg ataccacgt 120
 tgtggatcct gtatatgatt caagtccttc gggaagcgag aggcctgcac ctactggatt 180
 agtaattgac ggacctgtcc taaaagatgg tcatgcttgt actcttggtg ttgaagcaat 240
 catcgaagaa ggggggttcat cgtcaagaat ggaggtttct tccagagagg tagctggacc 300
 tagtttgagt tctgtggagc aaagcgaatc cccagagaaa gaagcctctg agataagaga 360
 gcaggccatg gttggccatg tcgaagcaca tggaggttct gtcagccatg ct 412

<210> 24218
 <211> 98
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-H9

 <400> 24218

 tttctatcac taggagctgc gagaatttat acccgtgcaa tgatggaacg gccacaacct 60
 tgcattctga tgcttctagc ataagggctg ccagtgca 98

<210> 24219
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-A1

 <400> 24219

 cccacgcgtc cgccacgcg tccgcactca cccgccttc acgcctccct caccaaataa 60
 ggtcccgccc ttttccgaca ttcacagggg ggacaggaaa tcagcggcca tggcctcgat 120
 tccggcgacg accttcgcg tcatcttacc cgtcctcttc tgtgccgcgg ctggcaccgc 180
 cgtcgacaac gacctccccg actacgtcat ccagggccgc gtctactgcg acacctgccg 240

cgccgggttc gtgaccaatg tcaccgagta catcgcgggc gccaaaggtga ggctggagtg 300
 caagcacttc ggcaccggca agctcgagcg ctccatcgac ggtgtgaccg acgcgaacgg 360
 cacgtacacg atcgagctca aggacagcca cgaggaggac atctgctagg tggctcttgg 420
 gga 423

<210> 24220
 <211> 76
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A10

<400> 24220

acggacgctt tagcagacgc gttagcctac acctgcgcca gccaaaggaag cccatgcgga 60
 gcacacggaa ttcggg 76

<210> 24221
 <211> 362
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A11

<400> 24221

cgggtccagat tcccgtcgag acacacgtac gcaaaatcaa ctacttaaac tccatatatt 60
 ataccctgat aacaaaatac gaaccattg agcatcataa ctagatctat gcacgccaaa 120
 acatatactt catccaaata ctactacatc accatctcac tcaaccaata ctcatattac 180
 taaaccaacc cctccaatat gataccgacc tgtaccctac acaactacta cctctcactc 240
 cctcaatcct aaatcgtagt tacactagca gctacaccta acattcctcc aacttataca 300
 taatcttttc ctgttgtaca atctttotaca aataaacttt ttcgccagca tctctgatca 360
 at 362

<210> 24222
 <211> 411
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A12

<400> 24222

gagctcctcg ggaatccggt gccaggcctc gccttctcgc ggcgggtgctc cctccctggt 60

cgtccccccag cgacgcaggc aggcgcgcgc gcggccatga agggggggcgg tgccatgagg 120

ccgtcgccta tgttctacgt ccacgaggcg gacgtcgtcc agatccacca cttcctcgag 180

gagtgtctccc tctgcgccaa atcgtctctcc ggcgacatct tcatgtacag gggtgacacg 240

ccgttctgca gcgaggagtg cagggagcag cagatcgagg tggacagggc gaagcaccgg 300

cggaagaagc gcgcggcggc gcacgcgctg tccgcacgca gcatggagca ccggcaccag 360

cagcagctgc agcagcacca ccaccagcag cagcaaccgc agccgcggaa t 411

<210> 24223

<211> 85

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A2

<400> 24223

gcgctacaca gtgtattgtg cattacattg gtgtgctgct attccatata gaatagtacg 60

gtggatgaac aaaaaggata ggact 85

<210> 24224

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A3

<400> 24224

gtctccccta cggcttcaca tccccatcac cgtcatcctc tccgggggga cggacgccgg 60

ggcgctccg ccgccccgtc gccatgggca actgctgcc gggtccggg gatgaggagc 120

ccgccccgc tgctccgcc gatccctct cccacctcca ctccggcagc ttgtccctca 180

aggccggcgc ctccggcaggc tcggcgccca cggccacaaa gccgcccgc cctatcggcc 240

cggctctggg acggcctatg gaggacgtgc gcagcatcta cactgtcggc aaggagctcg 300

ggcgtggcca gttcggcgtc accagcctgt gcacgcacaa ggctaccggg gaggcgttcg 360

cgtgcaagac cattgccaag cggaagctct ccaccaagga ggacgtggag gacgtgcggc 420

gcgaggtgca gatcat

436

<210> 24225

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A5

<400> 24225

cccacgcgtc cggcgacttc accgtgacaa caaaggaagg caaagtgtat gacatcggca 60
agggccacat cgtcgcgaca tcaccatcct tcgccaacag gctgccccac atctacaaga 120
accctgactc atatgaccct gaccggttcg gtcccgaag ggaggaggac aaggctgcag 180
gtgccttctc gtacatctcc ttcggtggtg gcaggcatgg gtgcctcggt gagcccttcg 240
cctaccttca gatcaaggcg atctggacgc acctactgag gaactttgag ttcgagctgg 300
tatcgccgtt cccagagaac gactggaacg ccatggtggt tggcatcaag ggcgaggtga 360
tggttaacta caagaggcgg aagcttgctg tggacaacta agattgtggt cgccagtctc 420
tatctcttag atgc 434

<210> 24226

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A6

<400> 24226

gtagcacaa acagatcgat cgattacagc aatggcggcc aaggtgttcc tcctcctgcg 60
gctcagcatg gtcgccgtcg tcctgggtgc catcgccaca gtagcgctcg cggaggaagc 120
cgatccgcgg gactgcccgg cacagtggac caccgcgaag aagtacaagg ccacgatgga 180
cgccaagacg cggcaggctt tcgacggcgt ggtggccgcc gctacggcag agaagcggtc 240
ccaggcggtg gaggccgtgc tgcagcagca gctgaacatg gacgtgtccc tgtccaaggc 300
gacgtcttcc ggggacgaga acaactacgt gagcgtggcc gccgtctacg agaaggccgc 360
gggcgcgcgtc atcgcggcga cgccggacaa caagctccgc gctatggcgt tcgcgttcga 420
cggcgcggtg gcgccggacc cgggcccgtg ccccgccgtc 460

<210> 24227
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-A7

 <400> 24227

 gtcaggggta cgcattgctgg ttccagttcg ggaccagaga cagaagactg catggagatg 60
 gctagaacct ttaacagctg atctatgggt tggaactgga tccttcggtg tcttcacagg 120
 ttttatagtt tggtttatcg agcacagaac gaatcaggaa ttcagaggac cgccagccag 180
 tcaaattgga acagtcttct acttctcctt ctcaacactt gtatttgctc atagggagag 240
 aattgtgaac aatttatcaa gaattgcagt agttgtttgg ctttttgtgg ttctaattatt 300
 gcagcagagt tataccgcaa gcttaagctc aattctcacg gtagaacaac ttcaaccaac 360
 agtcaccaat ttagatgaag ttatcagacg aggggattat gttggctacc tcaatgattc 420
 tttcatgcct 430

<210> 24228
 <211> 184
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-A8

 <400> 24228

 taacaagaca aaaaataatt tgcccaaaaa attactagaa taacagctcc tatectacga 60
 tgtcttcacg agcattcggc gacttctgtc cgctcaccga gctccgtctc tcccaaaagg 120
 caccgcatca gctcactcac atcatgatcg ccgactcgac tatctccatc atcatcatac 180
 tcat 184

<210> 24229
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-H2

 <400> 24229

tgcttccgca ccctcaagct caccaaccct tcatttggcg acctgaacca tctgatctcg 60
 gcgaccatga gcggcgtagc gtgctgcctg cggttcccgg gccagctgaa ctcggaacctc 120
 cgcaagctgg cgggtgaacct gatcccgctc ccgcggctgc acttcttcat ggtgggggttc 180
 gcgccgctga cgtcgcgcgg gtcgcagcag taccgcgcgc tgacggtgcc ggagctgacg 240
 cagcagatgt gggacgcca gaacatgatg tgccgcggcg acccgcgga cgggcgggtat 300
 ctgacggcgt ccgcatgtt ccggggccag atgagcacca atgaggtgga cgagcagatg 360
 atcaacgtgc aaaacaagaa cttcttctac ttcgtggagt ggatcccaac aacgtcaaat 420
 ccagcgtgtg c 431

<210> 24230
 <211> 363
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-A9
 <400> 24230

cccacgcgtc cggatatatat gtggataaca tagtagtcga gctgagcacg gttgcgtagc 60
 ctctgctgat gagggtgcac agggcgaaatg agtcgttcga acacggatgc tctgactggg 120
 tgccctgtgac catagagtgc ggcatccctt tgtttagccc acagctctgc gagaggatct 180
 gcgagagggg cgtctagtca cagatgcttc agaaagacga catcactgag cactactaga 240
 cgatgcagaa cgtgaggagg aggctgagag agctgtgcac cgagtaccaa gcgaccggcc 300
 caacggcgag gctgttcaat cagcggggag gcttcaagaa caccttcccg cgcaaactgg 360
 tgc 363

<210> 24231
 <211> 417
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-B10
 <400> 24231

cggccgagca ccatgcgagg aaataacatg ccgcggcaca cgtcgcggtt cctttggggc 60
 ttgttggcgt cggcggcgac cctgctcagc gtcggcgacg cgttggctgt cgacggcctg 120

caggtggggt tctatggcaa gacgtgcccg gcggccgaag gcgtcatcag cgacatcgtc 180
aacaacgaaa tcgctatgga ccggggcatc tcccctggcc tcattcgccct cttctttcac 240
gactgcttca tcacggggtg cgacgcttcc attctcctgg acgagtcgcc cgccggcgac 300
gtcccagaga aggagtcgtc cgccaacggc ttcaccctgg tcgggctcag aaccatcgac 360
atcgccaagt ccaccgtaga gggcatgtgc cccggcaagg tctcgtgcgc agacatc 417

<210> 24232
<211> 346
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-B11
<400> 24232

cgtcgccacc gtcggaacat ttcactctcc aggataaccc gcccacaccc aagagtgttc 60
aaggcggggt gctaccacca ccttaccaag gccagtttga ccaccacctt tggcttaacc 120
ttaagattaa ccatcttaag attaaccaag ccggcgcttc cggcctcatt aagcttcctt 180
ttcgcgcggt tccctacaac gtcaacccca tggtcccca ggggagcaac cccattttca 240
acacgttcaa aataaatggt tgggttaacc aagacttcaa caacgccaac gggaaagaca 300
ccggcgggaa aagcagttgc cgcggcagca acaacaacat cggcag 346

<210> 24233
<211> 428
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-010-Q1-K1-F2
<400> 24233

gcaaacgcaa acaagaagca aaccagcaat ggcccgcgcc tgcgtcttcc tcgtcgtgct 60
gtcctagcc gccgtcgcca tggcgccggt cgcgggcgcg gcgcgcacgc acgtcgtcga 120
gggcaggctc atggcgctcc cggaacgacc ggaggccgnc gccgacgctc ccgtcctcgc 180
tcctggcccc gactcctcct cgaccccgtc gccggcacc tccagcagca gctcttccga 240
ctagccgccc ggcagagata tctacggcgt ccgatcagtc tttggcgcca cctataacct 300
atcggatcct gcaaagctat atatgattct atggtataat gtgtggttgc ggcaaacgcg 360

cggaataat gtgcttgctg gattgttttt ctctctcttt ttttgtttaa taatgtaaaa 420
caggcata 428

<210> 24234
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F3

<400> 24234

aaaggcggct gctgcggctg cctgtgctgg tgctgctgct tcctgttggt catcgtggcg 60
gcgctggccg gcacggccgc ctacttcttc ttcgtgtaca agcccaaggc gccgtcctac 120
tccgtgagca acatgtccgt ctgcagttc gacttcagca cctccgacct gacgctgtac 180
gtcaagctca ccgcctccgt gcgcgccgag aacccaacg agatgatcac catcaggtac 240
ggcgagggct cccacaccgt ggtctcctac cgcggcacgc cgctgtgctc cgggaagctc 300
ccggccttct tccagggcta caagaacgtc accgtcatgg acatctccat ggagggccgc 360
cacggcttcg ggtcggggct ccagcaggcg ctagaggaga gcgagaaggc cggggacatc 420
ccgctcgaca t 431

<210> 24235
<211> 388
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-010-Q1-K1-F4

<400> 24235

ttcaagaaca tcaccggcac ctctccacc ccggaggccg ttagcctgct ctgcagtgcc 60
aaggteccat gcaccggcgt caccatggat gacgtcaacg tcgagtatag cggcaccaac 120
aacaagacca tggctatatg cacgaacgcc aagggcagca ccaagggttg cctcaaggag 180
cttgcattgct tctagaccct tcgtcgactg acccatctct ctagttataa ttnttctctc 240
gtccttgcat tgcccattag ttgctatcca ttggtaacgc acaacagtaa aacgacagac 300
atccgacagc tatattatgt tcgacggtgt aacaccctga atttgaaggt ataaaatttc 360

ttctctaaat accaaccaaa ttcaggtg

388

<210> 24236

<211> 171

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F6

<400> 24236

ccagctcgtt ggcccgggcc ctggggcccg ggcgccctca cgcccgctgg ccgctgtaaa 60

tagcgttcgg cgttcctgtc tccaccatc ccaagaagag ccgccctacc tattccttct 120

ccccgccgcc gacctgccaa accaaaacaa ccagcagcct taacttcttt c 171

<210> 24237

<211> 162

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F8

<400> 24237

tgcagcaag ccaccggtcc acaacatcat cggcacctgc tctaccctc aagcccttag 60

actgctcttc acggccaggg acacatgcac cggcgtcacc atagatgact tcaacgacga 120

ctatacctac accaacaaca agaccatcgc tatattcacg aa 162

<210> 24238

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-010-Q1-K1-G1

<400> 24238

ggcgccgcc ccagtccccg atccgaagct gtgcctcgta ccatttcgat ccaatggcgc 60

cgacgtcgaa gctgtcgacg ggcacatcagc gcgcttcgcg gtcgcacgcg taccatcgcc 120

gtgggctgtg ggccatcaag gccagaacg gcggcgccctt cccaaggcc gacaaggccg 180

ccgccgtcgt ggaaccaag ttctaccctg ccgacgacgt caagccccgc gttcccagca 240

cccgcaagcc taagcctacc aagctcaggt cgagcatcac gcctgggacg gtgctgatcc 300

tcctcgcaag gcgcttcatg gggaagagag tgggtggttct caagcagctc aagttcggcc 360
 tgctccttgt ctcttggcct ttcaagatca atggagtacc gatccgncgt gtgaaccaga 420
 cctatgtcat tg 432

<210> 24239
 <211> 417
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-G10
 <400> 24239

gaaggatata gtggaagtga tctcaagaac ctgtgcacga cggcagcata tcgcccgggtg 60
 agggagctaa tccagaagga aagaaagaag gagctggaga agctgaagcg tgaaaaagga 120
 gaaactccat cggatcttcc gaagaaggaa gagaccatca ccctaaggcc gctgagcatg 180
 gcagatctga aggaagcaaa gaaccaggtg gatccatgcc ttaccaagtg caatttgaaa 240
 cgatgcggat gcagattaac acttttcaac ttgaaaaata aactaatggc agttcgaatg 300
 ttataatacc ctgtaaactc tcaaattcag gtggctgcaa gtttcgcttc cgaagggtgc 360
 tgcattgagcg agctgaagca atggaacgag ttgtatggtg aaggaggctc cagaaag 417

<210> 24240
 <211> 173
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-G12
 <400> 24240

acgcgaacat atactcgtac ttatttctcat aaccactaca cgactacagc cagtggccgg 60
 tttaaaaaac tcattcttac atatacaaac atgcaactgc ataaactgta tcattataaa 120
 agctaaactc acatccaatc ttcccaacta tacaacgacc ataattctaa aac 173

<210> 24241
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-G2

<400> 24241

cggacgcgtg ggtgccaatg ctatgtggga agactatcat gcaaacta tttgatgggt 60
atgtattttc cagtatctct atcatttgta tggacatgta tcttttattt gtaaggacat 120
ctatatgtta ttcgtgtgga catattgcta aattttggaa gtatctttta tttgtatgga 180
catgtatctt ttatttatat ggacatctag gtcattggata aggagacaag tggtgcaaaa 240
gctgggtggg gactatgtca atggacacca actcaatcca catttggtct cacctttctt 300
agcaacattg ttgctgatgg cactaaaacc tgcactggct tcaagaaagt tcatctcaat 360
gcttggtgcta aggtctctca cgaccatttt aaaattataa ggacaggcga tcaagtggct 420
aatcacttg 429

<210> 24242

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G3

<400> 24242

cccacgcgtc cgcaggggca tcgcccggga gttcgtggac gccacaacg agctccgcgc 60
gcgctacggc gtgccgccca tgaagtggga caaccagctg gcgcggcagg cgcggcgctg 120
gtccaacgcc atgcgcaagg actgccagat cctccacagc ggccacgagt acggcgagag 180
cgtgttcagg agctacgacg actggaacgc caccgccagg gaggcgctct tctggtgggg 240
caaggaggag gccatctacg acaaggacaa ggagaagtgc aagtacggca aggtcttcaa 300
ggagtgcggc cacttcgcgc tcatggtcgg caagaggagc accaaggctg gctgcgcacg 360
agccgagtgc ttcaagggcg gcgtcttcat cacctgcaac tactatgcaa cggacctgga 420
caagaacaag aacaa 435

<210> 24243

<211> 105

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G4

<400> 24243

agataactct ccagctgata cagcaatgat acaaaagctc gctcgaagaa tcgaatggat 60
ggagcactga gaggagccca tgaattggga cagccaggtg gcgcg 105

<210> 24244
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G5

<400> 24244

cccacgcgtc cgccacgcg tccgatctac ggcaaggcca tggagcagct gaccggggca 60
atggg'gcct ccgagagctg cgaggacgcg tggaagggcg aggaggagga tgtccccgtc 120
gccgcgcacg acagggagta cggtcggatg gcgcacatcg ccttcggatt cacacaccac 180
gccgccgtcg ccgtcgcgcg cgcgatgaatc gattaattat tatatatata tatgcatgct 240
atctactatg atcgatcgct tctcgacctt cttgcatcga tctgcatgca tattataatt 300
tatattatat tgatgccacg ccgcatgcag gtctttccaa ggcgtacgta ctatatcaaa 360
ttattttaat ttccttacat gtatatgtat gtgctgctgt tggatacgta cgtatattat 420
atatgttct 429

<210> 24245
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G6

<400> 24245

cccacgcgtc cgaccaactg tccattaaga atgagaatca cttgctgcag gacttggttt 60
tagatgaaaa ccacagcctg ccagagattg atagtgatag tgttggatca cgattgcagg 120
ataaaagaag taggcgcaat gaggagtcac tttcattcac aagctctaac agagaaagtt 180
ggggcagatg ttcattctta ggagcagcca gtgatgaatc attctcaggc gataataatg 240
ataagcagaa tttgacagtc aaggctatgg ctacgcctgt aagacaaaac cagaggcaaa 300
gccagaggaa accgattgag aaaactaaac agaagaagat tcaagcccta tggaagaaga 360
ttaagagcga aaaggtgg 378

<210> 24246
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G7

<400> 24246

```

ccccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccgcc cacgcgtgcg   60
gcggaagaagg agactgccgc cgccgccgca acctcgaagg aggaggagga ggtggagtcg  120
ccaagaagg gagcggctct gtcccggtg ccggaggcta tcgtcatcgc caccgccgca  180
acctcgaagg aggaggagga ggaggaggtg gtggagtcgc ccaagaaga agcggctctg  240
tcgccggcgc cggagcctat cgtcatcgcc ggcgcaacct cgaaggagga ggaggtggtg  300
gaatcgcca agaaagaagc ggctctgtcg tcgccgtcgg cgccggaggc catcgttgcc  360
gtagcagcag tggaagacgt ggtggcggac aagtctgtga cggttgtgaa ggaggcgatc  420
aagaagc                                         427
  
```

<210> 24247
 <211> 100
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G8

<400> 24247

```

tcggccacgc gtccgaccaa ccgtccattc ataaggaaac tcacacaatc caagggtctg   60
tacaatatga aaaacaatac cctccataac ttgatagtga                         100
  
```

<210> 24248
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H1

<400> 24248

```

ccccacgcgtc cgcaccgcg ctgcacacaa accagaaac caccggcaat aaacaagtcc   60
cgctcccagt ctccgatccg aggaagccgg aagaggggat ttcgagccgc ggcgatcggg  120
  
```

gctagagtgg cctcgcacgc gtccgcgggt ggaattgccg agaagccgag agagaggggt 180
 tggagcggag ttgcgggagg tgggagagaa ggcggcgatg gggcgccctgt tctgatgca 240
 cctggacggc aacgtctaca gctgcaagca ctgtaagacc cacctcagcg ttgccagcga 300
 catcatctgc aaggccttcc agtgcaagca cggcaaggcg tacctcttcc ataaggttgt 360
 caacgtgact tctggagtaa aagaagaccg gatgatgata acaggaatgc atactggttc 420
 tgatatcttc t 431

<210> 24249
 <211> 339
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F12

<400> 24249

cggacgcgtg ggctccatga aagaaatatt gctcacagag acattaaatg cgcaaagatt 60
 ctgatgcatg caaatggatc tgtgaagctt gcagattttg aactcgctaa ggagattacc 120
 aaattcaatg aacttaaata atgcaaagga actgtttatt gcatggcacc gcaggttgtt 180
 gatccgcagc atacatatgg acctgcagct gatatatgga gtcttggttg cactgtcctg 240
 gagatgttga caccgcagat accctatcct gaccttgaat ggtcacaagc tctatacagg 300
 atctgtaagg cgtaatcacc atcaatttca aacactctt 339

<210> 24250
 <211> 133
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H10

<400> 24250

cgcacacaca accccgcatt tttctcetta caagtccact cagtacacaa ggtgccgttg 60
 caaatttagt tccggtttgc tgtcaagctc ttctgcttg cccttcggta agcatttctc 120
 ggagaagacg act 133

<210> 24251
 <211> 330

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H11

<400> 24251

ggcgaaagaa gcgtgggagg cggtgaggtc gatgaggatc ggcgatgacc gggtgagggc 60
 cgtagcgtg caacgcttgt ggaaagagta cgagaacgtc ggtttctgtg atggtgagag 120
 cgtcggctac ttctcgttgc ggatcaacgg cctcgtcgca agccttcgag agatgggcga 180
 gacgctggag gaccaccgag tcgtgaagaa gatcctccgc gtcgttccca aacgtctcat 240
 gcagggtggc gtggcgatcg atatgctcac ctgacctaac acgacgacga ttgaagagct 300
 cttcggtcga ctacacgttg ctgatgacgc 330

<210> 24252
 <211> 311
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H12

<400> 24252

aggggatgta acaacaaccc ctgttctagc aggtagtcgc ccagaggatg gggcaacgac 60
 cccttcccct ggaatgcatg ttgatgatgt tgctggttcc aacttcgttt tcagtaataa 120
 taacaacaaa gcgaagaccc tctacctac cctatttgct tgagcggctc ttgtccgcgc 180
 cacaagatac caattgttgc gctgggaata ttcagttacg atgaccgcgt ttagttcagt 240
 tttttttttg ggggggttgg ttgatcatt tggctgtagc gtgaatcgca tggacaacag 300
 actgcaatta c 311

<210> 24253
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-D2

<400> 24253

cccacgcgtc cgcccacgcg tccgcccacg cgtccggggc cgatgtcgtc tttcagggag 60
 cggacgattt tcgactcgat gcggccggac ccggccgtca tggctggact ggagaagatg 120

tccgacgccg ccattccgcc agcgaaatac gatactacgt cgccggcccc gaatgcgctc 180
 aggtccccct gctgctgctg ctgctgcgac acaccgaata cgtcgtgtat gtcgatgggt 240
 gacggctcga acgggcccag ctggttgcac gacagatatt tcttacgctc ctcgacgcgg 300
 gtgagtgtgt ccatgaggaa tttctcgcac gtctcggtt cattcgtaa caccaacacc 360
 gccggatctg gctcgaacat cctaatttgc ttctccaact cttcgacctg atgtctggat 420
 tttctaatac 429

<210> 24254
 <211> 418
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-D3
 <400> 24254

gccacgcgtt cggccaaatt cccagccca caccacctgc acacttcagt tgtttcgggc 60
 gcaaaggggt agggcttgc gtccggcatg tcgagatcgg cagccgtctg aggaaccgga 120
 ggagcaggtg gacctggagg gggacgacga cggcatggac gactacgacg ccgggtaccg 180
 tcgccgcgga agccgggacg actcgttaga gcccgaggag gatgacgaca atgactagcg 240
 ccacggcgag gccgacgacg acgccaggat ggagccggag ccggccggaa gtaaaggcgg 300
 ggatgacacg gtcaaggggc ccgacgtcgt cgggtggcagg cccgaggacg aggaggatag 360
 gagcaagtgg gatgacatgc tcgccctgcc gacctatggc tttgacgtct tcattggg 418

<210> 24255
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-D6
 <400> 24255

gagggatacg cctccccca cgccatcctt cgtcttgacc tggccggtcg cgagctgacc 60
 gactacctga tgaagatcct gactgagcgc ggctactcct tcaccaccac cgctgagcgg 120
 gaaatcgtga gggacatgaa ggagaagctc gcctacatcg ccttgacta cgaccaggag 180
 atggagaccg ccaagaccag ctcttccgtg gagaagagct acgagctccc cgacggacag 240

gtcatcacca tcggcgccga gcgcttcgc tgccccgagg tcctcttcca gccatccttc 300
atcgggatgg aagctgccgg catccacgag accacctaca actccatcat gaagtgcgac 360
gtggatatta ggaaggatct gtacggcaac atcgctctct cgggtggcac caccatgttc 420
cc 422

<210> 24256
<211> 385
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-010-Q1-K1-D7
<400> 24256

cccacgcgtc cgcgccagcc agccatcgtc aactcgggtga gctctgcagt cggcactgtg 60
cttagctccg agcttcagtg ccttcgttgt tagctgttag ctccacagtc cacagtcca 120
cacacacgtc cagctgcact gcaccaatgg ccgccgtcga ggtccaggtc ccgactgccg 180
ctcccgtcga ggaggctgct gctgctgctg cagcgggagt ggaggctgcc cagctggccg 240
ccgtcgagac cccgaacgag gagaccgctg ctccggcggc tgataccgaa gtcgtcgccg 300
ctaaggagcc ggtgtcggcc gaagccgaga ctgatttcaa ggaggtcgag gtcgaggccg 360
atgcogtagc tgaagctgaa ccgac 385

<210> 24257
<211> 418
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-010-Q1-K1-D9
<400> 24257

gggttctctt cccttccttg agcaaataga agtagccaca agcatgtctg gggtcagcga 60
caatatccag gtgaggctcc acatcgggtg cgaccacaag gaggagcacg agcacaagaa 120
gggcgaggag caccacatga agggcgagga gcaccacatg aaggacgact gggagcacia 180
ggagggcatc gtggagaaga tcaaggacaa gatcaccggc tagcacggcg acaagtccgg 240
cgaccacaag gacaaagacc ataaggagaa gaaagatttt aagaagaaga aagagaagaa 300
tcacggggaa ggccatgacc atggtgatgg tgactgccac agcagcaaca tcagcgacag 360

cgactgatct cgccttggcg aacgccgtac gcacaaatgc accgcgcagg ttataata 418

<210> 24258

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E1

<400> 24258

caccacctcg cctgcgatct ccgtagcctc cgtcgcgtcg agcatcgatc atgtcgggct 60
actgcggaaa gtacaaggat gagctcatca agaatgctgc ctacattggc acccctggca 120
agggtatcct tgctgctgat gagtccactg gcaccattgg caagcgcctt tccagcatca 180
atgtcgagaa cgttgaggag aaccgccgtg ccctccgtga gctcctattc tgctgccttg 240
gtgctctcca gtacatcagc ggtgtgatcc tcttcgagga gaccctgtac cagaagacca 300
aggatggcaa gccttttgtt gatgtcctca aggagggagg cgtcctccct ggcatcaagg 360
ttgacaaggg caccattgag gttgttggca ctgataagga gaccaccacc caaagccatg 420
acgaccttgg c 431

<210> 24259

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E10

<400> 24259

cccacgcgta cgcccacgcg tccgcccacg cgtcgcggga cgcggtgggtc gggccggggc 60
tccctcacac aaataataag gaaagggtccc gcccttttcc tccgacatcc acaagggggg 120
aggggaaaaac acgtacattc acccggcggc aataatggcc ttggttccgg ctccggcgac 180
gacgaccgcc gtgcgtcatcc tatgcctatg cgtcgtcctc tcctgtgccg cggctgacga 240
cccgaacctc cccgactacg tcateccagg ccgcgtgtac tgcgacacct gccgcgccgg 300
gttcgtgacc aacgtcaccg agtacatcgc ggacgccaag gtgaggctgg agtgcaagca 360
cttcggcacc ggcaagctcg agcgcgccat cgacgggggtc accgacgcga ccggcaccta 420
cac 423

<210> 24260
 <211> 391
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-E2

 <400> 24260

```

gttactccgc gcgccttctc tttctctccc ggacgtcgat cgtgttcttc agcacgggct   60
agctagctcc ctccctccca gccatggcga cgccggacaa caaggggcac gggcatccgc  120
tgcccaagtt tggggagtgg gacgtgaaga atccggccac gtccgagggc ttcaccgtca  180
tattccagaa ggcccgcgac gacaagaaga ccaccaccgg ccctggggct gggaacgcgc  240
gcgcaggcat tccgtcggcc ttcaggaacg gcggcggcga cggcgggtac aggcccgact  300
tcggcgacgg caaccagtac acgcccggcca aacggaagaa gtgggccttc tgtggctgct  360
gaatcgaagc tcgctgtgct gctgtgctga c                                     391
  
```

<210> 24261
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-E3

 <400> 24261

```

cccacgcgtc cgagcgaacg aaccagcgac cgacgtctcc cgaccagcgt ggtgaagagg   60
acagcagtca gcagccaatg gaggcagcac tgacgcagca ggcgacaccg acgaggtggc  120
ggtgcgtggg ggacgcgtcg ctggctagcc atggccaggg ccagcagcga gcaggcgccg  180
tccggctcgg agcggcgcgg cgtgcggtca gcggggctgt ccgggctagc agcagcaggc  240
atctggggcc cgtgcgggcg ctgctctccg aagaggccgc cgccggcgag cgggcggcgg  300
agggcgaggg aaaggacgcc gcggtgaggg tgttcgtggg ctttcccgcg gacgcggtgg  360
tctccgacgg ccgcggcgtg ggccggccca aggccgtctc ggcggcgctg cgcgcgctca  420
agctgctcgg c                                     431
  
```

<210> 24262
 <211> 341

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E4

<400> 24262

attaactaat gcatgagcta gcatggctgg taatgtccta accacttgga cttcatggcg 60
 atcacatatt gctagcgctg ccgcacatgg tgtgacgtgg tgatcgcggc ataggctagc 120
 cctcccaatg tccttcatac gctaacatgc cagtccacta tggtctggact gtctgtacgc 180
 gtgtacggac atggtatcat ctgcctacct ttgtcatgtt atgaaacgac atttgccacg 240
 tggaactaca atgacccaga acactctggg gctcctataa cgtgtgctac atgctggcac 300
 atacgtatca gtgatgacgg cttcggttgt tggcaatgct t 341

<210> 24263
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E5

<400> 24263

gaccacgcg tccgcccacg cgtccgcacg aatataccca tcccatcccc cacgagggtc 60
 cgtcccttcg gcggcggcgg cgatgtctct cccccctggc ccggcggaca gtggcaccgg 120
 caccggagac gactggttcc tcgactgcgg catcctcgac gacctgcccc ccgcggcctg 180
 cggagccttc ccgtgggacg cgtccccgtc gtcttccaac ccagtggtgg aagtgggcag 240
 ctatgtaaac gccaatgatg cattcaagga gcccaatgat gtcttcaagg agcctggcag 300
 cagtaaactg ttacggtcag gatccagtga tatgccaaca tctaaagctt gcaaggaaaag 360
 aatgaggagg aacaagctga atgacagggt tcttggactg gggctctgcat tagaacctgg 420
 gaagccagtg 430

<210> 24264
 <211> 284
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E6

<400> 24264

ggaccttgtc aggcgctacc tcggcagcat cgtaccgcct ggcgacaact aggatgccgc 60
cctcaattca gcggtgttca gcgacggatc cttctgctac gtgccaagg acacggctctg 120
ccccatggaa atttcgactt acttcaggat caacgacaag gagacaggcc agcttgagag 180
gactctgatt gtagccgatg agagaagctc tgtagctat ttggaaggct gcactgcacc 240
agcatttgac tcaaatacgc tgcattgctt agttgtggag cttg 284

<210> 24265
<211> 412
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-010-Q1-K1-E9

<400> 24265
gacgcattca gctcctcggt ttttctctct cctctcttcg tccccgcgtg gagaaggaga 60
gagagaaaca ggggagcgcc cccactcct cttcgctgcc aagaaaccac cattcctaac 120
ggatttctac ccagtcttct ttaggatttc cgattcggtt ctccggtgag aggggtgggaa 180
ttttattttc ctccgctgca accggtgcaa acatttcgaa tccctccatt ccattcctct 240
ccgtgcaatc gaccattcat atgttccttg gctgcattga ggcacggta cggaatttt 300
gatgtgagct gaccagacat ggctgcgaaa gacggctcgg gatcacaaga tctggggggg 360
cacacgttct ggcccatgct gtcctacgct tgcngcgagc tgtgtgtgat cg 412

<210> 24266
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F11

<400> 24266
aagtgatctt gccaaattac gagcagcgag cagagatcag atcatccatc gggaatggcg 60
aacatcgggc agtccttgca ggccggcaag gctgaggccc aaggcgagta ccaggcggag 120
cacgcggcgc agtgcgtaa ggacaccgcc gcagccgcgg ccgacagtgc gcagctgcag 180
cagcaccgcc ccaccggcac cgttgagcag gtggcgagca cgggccaggg cgtggcggca 240

ggcgtcaagg acacggtggc gggcgcggcg gttggcgta cgaacacggt ggcgggcggt 300
 gcggcgggcg tcacgaacac ggtcacgggc gccgtggcgg gcgtcacgaa cacggtgacc 360
 ggcgcggcag caggtgtcaa ggacaccgtg accggcgggcc actgatcgac gacccaag 418

<210> 24267
 <211> 421
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-D11
 <400> 24267

gtgggactac ctgccgctcc tgcggcggtt cgacgtgctc ggggtgagga acgagagcag 60
 ggacgttgtc ggcaggaggg acgccttcct gcagcggctc atcgacgagg agcggcggag 120
 gctggacggc gacggcgacg ggcacgagaa gaagagcatg atcgccgtga tgctctcgct 180
 gcagaagtgc gagccggacg tgtacacgga caccatgata atggcactgt gcgggaactt 240
 gtttacagcc ggaacggaga cgacgtcgct cacgatagaa tgggccatgt cgctgctgct 300
 gaaccacccg gaggcgctga agaaggccga ggcagagatc gaggcggccg tgggcgcgtt 360
 ccgcctcatc accatggacg acgtgcccgg gctgggctac ctgcagtgcg tcatcaacga 420
 g 421

<210> 24268
 <211> 419
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-B12
 <400> 24268

cggggagaga gcgaaaaacg gggcgaccga gctagctcgc cgtcgtttcc ggctccgctc 60
 cctcctccca taccgttgcc ctacccccac taccgcgccc cgcgggcccc ccgggtcctc 120
 ctccctccgc tcgctcggaa ccagaggcct cgcgacgtct cgcgccatgc gggctcgcga 180
 tctgctaggg tttcctccgg cgggcgcggc catgtcgctg gcggcgggcg tcctcctcct 240
 cccctcctc accgtcgctg gccaggggcc ggtctgccag aggccgccc tcgccgcgt 300
 catcctgcag caggcgctca cctgtcgagc ggtggacgcc ccagggtcc ggggtcaccg 360

cgccggcttc gtggaggggg atgatggggc cctgcaaaag gcagtagcac ttgtgctgc 419

<210> 24269

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-B2

<400> 24269

ccaaaactta gaggtctctt ggacttggtt tgaggttgaa aatcgcatg ggtgctggaa 60

agggaatttt gtatctacat actgaagcag atccacctat attccaccgt gatgttaag 120

ccagcaacat tctgttggac tccaaattcg ttgcaaagg agccgatttt ggtctctcga 180

ggcttgctcc agtgccagat gtcgaaggga cattgccagc tcacgtatcc actgttgtca 240

agggcacccc aggctatctt gatccggaat acttcctaac tcacaaactg accgacaaga 300

gtgatgttta cagcctgggt gtcgtgttcc ttgaaatgtt aactggtag aaaccaattg 360

agcatggtaa aaacatagtg agagaggtaa actcagcttg ccagtcgggc gcagtttctg 420

gaataatc 428

<210> 24270

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-010-Q1-K1-B3

<400> 24270

cccacgcgtc cgcccacgcg tccgccacg cgtccgccca cgcgtccgcc cagcggggcg 60

cgatccttta gttgccaatt taaaggaaca gtagaaggaa taccgatttg atggcccaaa 120

ataagcagat cattgttgtg gtggctctcc tttttcttgt ggtggcaaca tcatcatcag 180

tgtgggttgc agaaggagcc gatgacttaa aagtttcttg cgttaaagag tgcacccaaa 240

attttaacac tcccgagggc aagaagatct gtgaaacgat gtgtgccaac cctaaaggaa 300

ggcctatcga cagagttaga gctgattgat caatgctcat ctttatttgt agctagctat 360

catgcatgcg atgatggcct tcttgattat tattatttca ttctcatgg tngttgttct 420

tgcatgtttt tt 432

<210> 24271
 <211> 173
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-B4

 <400> 24271

cgcactctta atcgatttca tatctttatc caattgacat actcaaccat tatactggcg 60
 agagactctt tcatctactt acctcaacac tataacatat acccaattca tatectacta 120
 tcagcatata catattctcc tccatattat ctctatcatt aaccttacat tat 173

<210> 24272
 <211> 145
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-B5

 <400> 24272

gcgcccacgc gtccgccgca agttcgacaa catgtacatc cgcaacctcg agcgggggtgg 60
 aggctgtctc agcacagaca aggcactgtg aacagacata ctactaagc cgccgggtgct 120
 aagctagtca ttgaacgccca cagtc 145

<210> 24273
 <211> 212
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-B6

 <400> 24273

cccacgcgtc cgcccacgcg tccgcccacg cgtccggacg cggaatctcg acgtcaggct 60
 aaacaagagg ggcaggggtcg agatggatgg cggtcagtac tgtcgaagag gcacgctcgt 120
 catcgaggca gagatcttcg aggtgggtcc atcgggtgcgc gtgggtggaga tgtggaagat 180
 tggccgagac tcagatgagt aacgagcgtt gt 212

<210> 24274
 <211> 194

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-B7

<400> 24274

cgggagcggg cgccgaccgg ttctgcgtgc tctcactggc cttgactgac ggggtgggtg 60
 gcttacaagg gaggcagact cacttgata acaggtccct gctgatcaac tcgaactcct 120
 gacgaaattg tgaagcctga ttctctcaag gcaagcaacg atgaatgcat gcccatgtat 180
 cataggccct tcat 194

<210> 24275
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C1

<400> 24275

gcgccccgga ctctttctac taccagctga agcggcagct gggcgagatg gcccaggacc 60
 ggtgcgactt cgccgaggag gaggagtcgc ggggtggaggc cggcctcatc cacctgcgct 120
 cgctgcagaa gcgcaccggc agctacttcc gctacacggg ctccctcacc gtgccgccat 180
 gcaccgagaa cgtcgtctgg agcgtcctcg gcaaggtgcg ccagatcagc caggaccagc 240
 tgcagctgct caaggcgccg ctgcccggga gcgacgcgcg cccacgcag ccgctcaacg 300
 gcaggaccgt ccaattctac aaccgtcca acagcaccat ctacttcag atctaact 360
 aaagagtact ttggaatctt taatatagcg gaactctgtt tatgatta 408

<210> 24276
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C10

<400> 24276

cccacgcgtc cgcccacgcg tccgcccacg cgtccgatcg ccagcaaagg gagagcggcg 60
 aggtgagaga gataatgcgg tgggtgggtgct catggctgaa tgaatggggg tgtcgggcta 120
 tgcgcggttg acgtcctcat cgaagcaaac cccttcaccg ttggttgctt cgtgccgtgg 180

cctgggaagt cgatgactgc tcatcatggt aggaggcccc gaccgaccgt gcaatcgtgt 240
gccgacgctg tggctgtgcg ccaatgaaat cacggtatct tcggatccaa gtcggcatca 300
cagtagacca gagtaatacg aaggttgata cagcgccgaa ggtgtgagca ggaaagcttc 360
ggcgcgacaa caaaaagtga aaccgactta aagatgaaaa ggctatttag ac 412

<210> 24277

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C11

<400> 24277

gatctttata ttggcagggtg gatgctttca aaaccacgag acaagataat tgtggcggcc 60
aaagttgccg gttattcaga gtgggtctaca tttctttgag acaatgcaaa agtgggttcgt 120
gttgggtgctg ccaatatcaa agaaagtatt gaaatgagtc ttaaacgctt gtctacagat 180
tacattgatt tgcttcagat aactggggtt atgttggtgta ccttgtctgt gtgaggcgtg 240
gtggtaggaa gaggcctttg cccaagtgtg ttatctatgg ctagcccaag caccagggtg 300
tcacccaact caagttctag aggtacaaga gctctctcgc tgatgagaga gctagacgca 360
agcttggtgg actgaagggtt cttaacttct actgggtgaa cgaagtaca 409

<210> 24278

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C2

<400> 24278

gcccaggcaa caagagacac gaataaagca tcgatcacia caagatggca tgtatagaca 60
atgcaatgag agccttggtc cttctagcgc tcttctgcac cgtgcatggt gagaaggcaa 120
agtcaaagga caacgattca aaagcgtccg ggcccgggtg gtccttcgac atcaccaagt 180
tgggcgccctc tggcaatggc aagacggata gcacgaatgc tgtgcaagag gcgtgggcat 240
cggcgtgctg cggcaccggg aagcagacga tcctcatccc caagggcgac ttctctgctg 300
gaccactcaa cttcacaggc ccatgcaagg gcgacgtgac catccagggtg aatggcaatc 360

tgctggcgac cacggaccta agccagtaca aggatcatgg gaattggatc gagattctac 420
gcg 423

<210> 24279
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C3

<400> 24279

cggagttggc aactgcaagg agtgatattg tggtaacaaca ctagttctaa ttgaaggaat 60
agggcgatgt tgaaactgtc tgctaccatt gttccatgg caactaatga gaacctcccg 120
ccaaatgtca tcaagcaatt ggctaaagaa ctgaagaacc ttgatgagtc acctccagaa 180
gggattaatg tgattgtcaa tgatgattac ttaactacta tttttgctga cattgaaagc 240
cctgctggaa ctccatatga gaacgtagta ttcgatgatga agctattatt gtcacgcat 300
ttccctcaa 309

<210> 24280
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C4

<400> 24280

ccctggcggc ggcggcagga tggcggettc tactgcgagg acggtgaatg atgtgaaccc 60
gcacgagttt gtcaaggcct actccgccca tctcaaacgc tccggcaaga tggagcttcc 120
tgagtgggtt gacattgtga agactgcgag gttcaaggag ctccctcctt atgacctga 180
ctggtactac atcatggctg catctgtagc aaggaagatc tacttgagac aaggcattgg 240
tgttgggtggc ttccagaaga tttatgggtgg cgcgcagagg aatggctcac gccacctca 300
cttctgcaag agcagtgggtg ccatttcacg caacattctt cagcagctgc aggagatggg 360
cattattgat gtcgatccca aggggtggacg ggcgatcacc ttccaaggaa ggcgtgatct 420
ggacca 426

<210> 24281
 <211> 253
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-C5

 <400> 24281

 actacttcaa gaggttggtc aacttcaaga aggataggga tggctattgg aagtgggtgtg 60
 ctggcaacct ggctctggt ggtgctgctg gagcttcctc tttgtttttt gtgtactccc 120
 tggactacgc gagaacaagg ttggctaata acgcgaaggc tgccaaggga ggaggtgaaa 180
 ggcagttcaa tgggcttgct gatgtctacc gcaagacaca taagtcagat ggtattgctg 240
 ggctttaccg tgg 253

<210> 24282
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-C8

 <400> 24282

 acgaagacgt gaggtctgct gcgctcaata ccctaaacag ggcaagggtt acggccggca 60
 gttattcctt cattaaaact ggtcacattc actccttgaa ggaaggaaac tcacactaca 120
 cgatatttaa tccaccttgc cggcatgagc cagtcgcaat aggttcaagg cccggacaag 180
 catttcaaga gccatcttca tttcttgcca tacgacctct gtatgaagat gagagataca 240
 tggtaacata taaccaaca aaggataaaa tatatgcatt gcttaatgac caatcaaat 300
 tagacgacat tatcaagctg cttccatac tcatatgcta ttgcatttta ttaatgcac 360

<210> 24283
 <211> 257
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-C9

 <400> 24283

 cgcacgcttc cgaacccaac accctttcat taacgtgatc cacatatcgg accgggctat 60
 ctaagacgct gatcgacata ctgaacccat cgaacaagcc cggaggatca ccacacatca 120

caatgatgga tgcacataat ttcattgtct agttacctca ccttatactc acggctctcc 180
atgctataca caacgatata ttgatcactg acccgatata cagtatcacc atcaataatc 240
cttacagact aaacatt 257

<210> 24284
<211> 433
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-010-Q1-K1-D1
<400> 24284

ggcaaatgct ctcttaggtg gcctgtgggc gatcgctcgtc gtcgcgcgcg gtcgtcggcg 60
tggtcgccac cgtcaccac tccggcaaga aggcgcgcga cgacttcacc gtcccggggg 120
aagcctccat tgccacgtcc ggcaagtcgg tcgagtcctt gtgcgcgccc acgtttgtaca 180
aggagtcgtg tgagaagacg ctctcccagg ccaccaatgg caccgagaac cccaaggagg 240
tgttccacag cgttgccaag gtggcgctgg agtcggtgaa aacagcggtc gagcagtcca 300
agacgatcgg cgaggctaata gccagcgact ccatgaccga gagcgcgcgg gaggactgca 360
agaagctcct cgaggacgcc gttgacgacc tcaggggcat gtcgagatg gccggcgggc 420
acatcaaagt gct 433

<210> 24285
<211> 259
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-010-Q1-K1-B11
<400> 24285

cacgcgtccg gttcattcga cgcgagagga attgagtggg catgtatgtg atggtaaact 60
gttcacgggt caaacttgaa agcgcactga ttcaagggca aaaaatgggt tcagcaggag 120
ctgcaacgtc acagtttttt agatttggtt gagcagttta acattatgta tgtttggtta 180
gatcgtttgt agatctatat atatattcac ttaaattcac atgtgttgga gtggtattgg 240
tttttatatt tttttattt 259

<210> 24286
 <211> 385
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-D10

 <400> 24286

 gcctgccgag aggtggccgg cggcaccgag ggggcctgtt ccgctgtgtg ctgctgcttc 60
 cgcgggcgtga tgggtgtacgt cgcgggtgctc gccacggtgc gcgcgcccgc ggcgctgcgc 120
 cgcaaggccg cccgcgtgag caagggccgc aggcgctctg cctacgcggg ccaggccacg 180
 gagatatacg agctcctcgt ggacgacacc ggcgtcgtcg aggtggatgc cggcgccgctc 240
 aatgcgggtg cgctgcccgt gaagcccgc ttgcagctgt aggaaaaggg ggagctggat 300
 aaagaagtgc tggccagggt ctacggcacc ggcttttga ggagcccttc gcagctggac 360
 gacaacgagc acaggtgatc gggac 385

<210> 24287
 <211> 149
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-H1

 <400> 24287

 aaaagagaca ccacgccgag cgcgaggaat gtcgcttgaa ggccgacaga cgcggcgggg 60
 gcgactatcg ctctgagccg atgataaatg cccatgtggc tctaacttcc tatcatcaat 120
 tgcaccctgc cgatagccca ttcagcaca 149

<210> 24288
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-H10

 <400> 24288

 cccacgcgtc cgcggacgag tgggtgcaat cccatgcatt ctaatctgcc accagagggtc 60
 agatgggtggg ttcagtcaca gccaaatgtt gggatccaga aggatattgt tagcaagcgg 120
 ttatgttcgt tgggcaggga cattcatgag aagcaagtgg aagattcagt gccacaacct 180

aaacatgagg aaacattact ctgtcaagca gttgacacta gcaactgaaaa gattggagat 240
gcgttggagc ctccatggat ggtttcgcca gccttcacga agtattccct tgaaacaggt 300
ttagaagaga tgaagactgt tggtagctat tctcaagtgt cgaagtgtat agaaactctc 360
agcaattgtt tgtacaagga taatgaattc ccagattttg aatgtattga cccagcacct 420
ttg 423

<210> 24289
<211> 424
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-009-Q1-K1-H11

<400> 24289
gggtcaaacca accgcgatcc gcgaatccgc gggagaggag gggaggggag cgggggcgat 60
ggagttcctg cagggccaga ggctggagac cacgctggcc gtcgcgggag ccgtcggttc 120
cgtcgcagcc ggctccgcct acctcttctc ccgcagtagg aagcccaggg gatgcctaga 180
ccccgagaac ttcaaggagt ttaaacttgt tgagaagagg cagctgagtc ataattgttc 240
caagttcaag tttgcgctcc caacacctac ttctgtattg ggtcttccaa tcggacagca 300
tataagctgc agaggacagg atgcttctgg cgaagaagtg atcaagcctt atactccaac 360
tactctggac tctgatgttg gatcttttga gcttgttata aagatgtatc cncaaagaag 420
aatg 424

<210> 24290
<211> 427
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-009-Q1-K1-H12

<400> 24290
gaccagcagc agggaaacatc gtccatccga gctaagtaat taggtcgaaa atgacccgtg 60
ccagcagcag tagcagcagc cggcgtgtga cgctgggtact gctcgggtctc cgctgctgc 120
ttctgggttg tgttgccgag gcggtagtgg agttgggtgcc tgctgatgat aatatcgccg 180

ccgccgctgc tggcacggcg gtggacgatg gcgagccgcc tcagcagtgc gcgaccccgg 240
tgagcgtgga ggagggcgtgc cgcgggcggt ccgagacgca cgccggcggtg gcctacgacc 300
actgcatggc gtcgctgggc gccgacccgc gcagcaagga ggccggcaac aagaacatgc 360
acgggctggc ggtgctggcc accaggatgg ccatcgacca cgccgncagc accgagtcca 420
agatcga 427

<210> 24291
<211> 415
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-H3
<400> 24291

cgttctctct tcttggcca agtgatcttg ccaagttacg agcagcgagc agagatgagg 60
gcatccatcg gcaatgtcga acatcgggca gtccttcag gccggcaagg ctgaggccca 120
gggagagtac caggcggagc acgcgggcga gtgctcaag gacaccgccg cagccgcggc 180
cgacagtgcg cagctgcagc agcaccgccc caccggcacc gttgagcagg tggcgagac 240
gggccaaggc gtggcgagc gcgtcaagga cacgggtggca ggcgcgcggt ttggcgctac 300
gaacacgggt gccgacgtgg cgcgggcggt cacgaacag gtcacggggt ccgtggcggt 360
cgtcacgaac acggtgaccg gcgcgggcggc cgggtgtcaag gacaccgtga ccggc 415

<210> 24292
<211> 419
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-H5
<400> 24292

cggacgcgtg ggcgagcggt tgggcggagc cgtgggcgga cgcggtggcg gacgcgtggg 60
cggacgcgtg ggcggggtc cgaatggcaa cttccccgaa ccccgcgagc attcaccgag 120
ccggcgccca gtgaccttc cagaagcttc cagaaggtca ccgccatggc cgcgcccttc 180
ttttccactc ctttccagcc ctacgtctac cagagccagc aaggatctgt gacggcggtt 240
cagatatccg gtggagatgt gcaggtcctg caggtgatgc tgaagtctca ggagaagctg 300

actgcaaaac caggtgcaat gtgctacatg tctgggaaca tgcagatgga caacaattac 360
 ttgcctgaaa atgatggagg cgtgtggcag tggatttttg ggaaacgtgt aagcagcac 419

<210> 24293
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-H6

<400> 24293

ggggctacag ccgcaaagac ctcggcgta gctacgttaa ggagaagcag ctgacggta 60
 acatggggat cagcaagctg agggagaagg tgaaggagca ccaagagaag ttccacagcg 120
 cggccaagat cgctggaacc aaccccgtag agtggatgga gaatgccgac cggtggatcg 180
 tcgggttcct cgagaagttc gaggaaggat gccacatgat ggaaaccgcc attaaaggta 240
 gaattcagga ggggtctgaag aggcaaggca ggtcagagtc gaacctttcc ggagaggact 300
 ccgactcgta ataattggtct gtagtatcca aatcaaacta gacggaagct ggactggagg 360
 tcataactcgc gcagtctgtg taacagtgtg agattgatta gcatgttttt gt 412

<210> 24294
 <211> 146
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-H7

<400> 24294

gggtctgaac atgtcgattg atccattcat aatatctgct atgccattac ttctctggct 60
 gttaatttcg atatgtaaag aggggagaat gggagacact attcgtttgg acatgacaat 120
 cggaatttaa tcaataccca tttggt 146

<210> 24295
 <211> 423
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-H8

<400> 24295

atcattacca tcgccgcgcc cgcctgctgg ctccgccggcg atcgaatttg accgccggtc 60

cgcgagcgga gcatacgtgc atacatgggt tgcctgacgc cggcggcggc ggcgctgctg 120

ctcgtcgtcg tcctagcggc ggccgtgtcc gcgctcccgg cgatcaacgt gacgacgatg 180

gcgttcgagg acgggtaacgc gccgctgttc gggcacggca acatcctccg ctccgccgac 240

caccgcaccg tcagcctcct cctcgaccgt tccaccgggt ccggtttcat ctcgctgtcc 300

atgtaccagc acggcttctt cagcgcgtcc atcaagctcc ccttcgacta caccgncggc 360

gtcgtcgtcg ccttctacgc gtncaacggc gacgtgttcg agaagcggca cgacgagctg 420

gac 423

<210> 24296

<211> 200

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A1

<400> 24296

cccacgcgtc cgctccaagc gagctagagc tagagctata gagatcactc tccttcggcg 60

cgtgaggttag tgacgtgacg cccagccatg gcaacaatgg cactgcgcgc cgtggcgacg 120

gcgctgctgg tggcggctgc gtacgtgtgc ggcgcgctcg cgtcgacgct ggtgctgtac 180

aaccggtgcy gggagacggt 200

<210> 24297

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A12

<400> 24297

gagagagaga gagagatgga tgaggagtac gacgtgatcg tggtggggac ggggctcaag 60

gagtgcacga tcagcggcct cctctccgtc gatggcctca aggtccttca catggacagg 120

aatgactact acggaggaga atcttcgtcc ctgaatctaa ccaagctctg gaacaggttc 180

aagggcaacg acagccctcc cgagcacctg ggcgtcagca aagagtacaa cgtcgacatg 240

gtgccaagt tcatgatggc aaacggcgcg ctggtccgcg tcctgatccg caccagcgtg 300
 accaagtatc tcaacttcaa agctgttgac gggagctttg tgtacaacaa tggcaagatc 360
 cacaaagtcc cggcaaccga cgtggaggcc ctcaagtoga acctgatggg cctgttcga 419

<210> 24298

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A3

<400> 24298

cccacgcgtc cgcggacgcg tgggctgacc acagcaacca acctcctctt tcctttggat 60
 ggatcggacc atcgatcaca attcacacag ccctagcccc taggtagtgg catcatggcg 120
 gtgaaggact gcggcgggca caagggtgctc gagtgcgagc gggagcggct gtaccggcgg 180
 tgctgcgcgg cggtcgtggc tctgatactc ctggtcctct tcatcgtgct cgtcgtgtgg 240
 ctggtgctgc gccccacaa gccccggttc tacctgcaag acctgtcggt gctgtgcctg 300
 aacgtgacgc cggcggcggt cactacctg ttacagacga tgcaggcgac ggtggcggcg 360
 cgcaaccga acgagcgcgt gggcgtgtac tacgaccaag ctgacgcgta acgcgaagta 420
 caagggcgtg gcgatc 436

<210> 24299

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A4

<400> 24299

cccacgcgtc cgccacgcg tccgccacg cgtccggcg tggtctggaa gttcgacgtc 60
 gcgcccttca tgggtgctcat cattgccatc ctcaacgacg gcaccatcat gaccatctcc 120
 aaggaccgcg tgaagccgtc gccgacgcc gactcgtgga agctcaagga gatcttcgcc 180
 acgggcateg tgctagggac ctacatggcg ctgccacgg cgctcttctt ctacctggcg 240
 cactgacacg acttcttcac caacgccttc ggcgtgcggt ccatcaagga gaacgacaag 300
 gagctgatgg cggcgtgta cctgcaagtg agcatcatca gccaggcgct catcttcgtg 360

acccggtccc ggagctggtc ctctgtggag cggcccggcg cgctgctggt gatcgcttc 420
ctggcggcgc aa 432

<210> 24300
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A5

<400> 24300

gccacccggc cccaacatca ccaccaacta caacggcaag tggctcaccg ctagggccac 60
ctggtacggc cagcccaacg gtgccggcgc tctgacaac ggcgggtgct gcgggatcaa 120
gaacgtgaac ctgccaccct acagcggcat gacggcgtgc ggcaacgtcc ccatcttcaa 180
ggacggcaag ggctgcggct catgctacga agtgagatgc agggaaaacc ctgaatggct 240
cggcaatcaa tcaacgggga cattaatggc cttaacctac aacctatcgg ttcctaacia 300
tttgacttga accgcaaagc ctctggcttc ctggcaaagc ccgggcttaa ccgacagatt 360
cggcact 367

<210> 24301
<211> 368
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A9

<400> 24301

cccacgcgtc cgatagagat ttagaatctt gagagggaag tcattaacct tgcggggcaa 60
ctatcttcaa cacatgggtga gcaagcaagc tccattgttc atactattct ttaggcctac 120
atccttcgag cagacaatgt acaacttcat gatcatcttc atgatgcaaa tgaacagttg 180
agacattatg aatctctact agaagatata cacaaggagt caaaaaggaa gattaaatcc 240
cttaccgatt cactcaatgt atctaaacia aatgaataaa tgctgaatat agatgccgac 300
gatgtcataa agctgataga agctgctaaa ttcaatgaag aaaattttat aataacttca 360
aatgaact 368

<210> 24302

<211> 434
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-010-Q1-K1-B1

 <400> 24302

 cggacgcgtg ggcccttccg gccccctctc ctccggcgga tctaaatccg gtccggcgat 60
 ggacggcggt gggcagcccc cggacacgga gatgacagac gccggcttgg gcggcggggg 120
 gcagccgccg ccgccccgc agcagccggc gggcgggggc gggatgatgg agaacatcca 180
 cgcgacgctc agccacggtg gccgcttcat ccagtacaac atcttcggca acgtgttcga 240
 ggtcacctcc aagtacaagc cccccatcct ccccatcggc aagggcgccct acggcatcgt 300
 ctgctcggcg ctcaactccg agacggcaga gcanctggcc atcaagaaga tcgccaacgc 360
 cttcgacaac aagatcgatg ccaagcgcac gctccgcgag atcaagctgc ttcgncacat 420
 ggaccacgag aata 434

<210> 24303
 <211> 424
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-G9

 <400> 24303

 cccacgcgtc cgcagaagc agaagccacc gatcggcggt ccgcgtgcgt gaggcgagcc 60
 gggcatcccg tcccaggag gaagacaacc ggcgacgctg ggggaacatg ggggaagacgc 120
 cgggtcggat gaacgcggtc gtgtacgcgc tgtcgacctt ccagcagaat gtaatgccag 180
 cgctgtggaa agacatcacc accaagatcc aacacaaggt caccgagAAC tggatctccg 240
 ccacgctcct gctaactccc gtcgtcagca cctaccaata cgccatgtgg tacaaggagc 300
 aggataagct ttctcacaga tattaaatgc gctgcccttg acagacagca ctccgagttt 360
 tcatgatggg ttccataatc cttccatgat gatttaacat ttgtatgatc aatttcagtt 420
 caac 424

<210> 24304
 <211> 93

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-B10
 <400> 24304
 attccctctc tacccactcg tctccccact cgtcctccca ctctttctat ttaaaaaaaaa 60
 aaatataaac aaaagacaag ctaattataa aaa 93

<210> 24305
 <211> 421
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-F12
 <400> 24305
 cggacgcgtg ggcacagacc acaaaggagg ggacacacac acacacacac accgtcgccn 60
 cccgtccgcc gcgacgcgcc atggctatgg ctgctccgt cgcgcacctc ttctttccca 120
 tctctcttat ctccaccgcy cccgccgtgc gggccatcac cgacgccgcc ggcggccccg 180
 gatacctcca ggaggcgtgc aacaagacgc tgttccccaa ggtgtgcatg cacgcgctca 240
 aggacaaccc agagtgccag gcggagacgg cggtcacccc gcgccggctg gccgagctgc 300
 tcgtgtacgt gtcggccgag gtgggcatga ccgtggccgc gttcgcgcac cacgagctca 360
 acgccatcaa ggacgacgac gttctgtaca agtgcacga cacctgctcc gaggacatcg 420
 a 421

<210> 24306
 <211> 276
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-F2
 <400> 24306
 gggaagacga agacagagtc cgagattttg tggatcgagg tgaagcccgg ttggaagaag 60
 ggcaccaaga tcacgttcgc cggtaagggc aaccagcagt ggaaccagct ccccgccgat 120
 ctggtcttcg tggtcgacga gaagccccac cccgtgtacc ggcgtgacgg caacgacctg 180

ttggccgagg tccgtgtgac gctcgcccag gcgctgggag gcacggtcgt cgtcctcacc 240
 gcgctcgacg gccgcgagct cgccgtcgac gtgggc 276

<210> 24307
 <211> 307
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-F3
 <400> 24307

aataactacta atcaaaatct tgtcgggata tatctctcca attcccctac tgctacggac 60
 ggggcaacaa caatgtgttc cggcctgcaa acataaccaa aaaaaaaca cactgaaccc 120
 aataactacta tcccacagaa acttttctct cagtccgttc gatcgatcgc tgacgagtcg 180
 tttgccagac accatcagca cccaaaacca tggcctgcaa cctgggtcaa tgcagccacc 240
 gccgcctcgg agactcgtca acccagaca cctcgccctg ctgcctacaa gtccgtctcc 300
 ttcttca 307

<210> 24308
 <211> 331
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-F4
 <400> 24308

cgttctggcc catgctgtcc tacgcttgag gcgagctgtg tgtgatcgta ctgctcgacg 60
 ggtctgccct ggcgtcctat gcggccacga ggctggcgag cgtctgcggg ctccggccgc 120
 cctgcacact gtgcgggagg ctggaccacg cctccacagg gaagccatgg ttctcttcgg 180
 acttggctctg tgccgcgcat cggctctgaga tctcgtctct ggctcactgc aagaccatg 240
 accagcttgt tgcattctcc ggcgatctct ctccgcctac gtcggccagg tcaagaaggt 300
 tgtgttcttg ttccgatcca ctcaagaatg c 331

<210> 24309
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F5

<400> 24309

cccacgcgtc cgccacgcg tccgccacg cgtccgcact gcctcaacgc tgctgcggag 60
caaccgaaga agagcttcga tgatcgccgc cgggcgcagg tgtttctgcg tgaccacata 120
tccaactcgg tcaacatcgt gtgctacgct ctctgtcga tgggtctccgt cgccgccata 180
ccgtacctct acccgcagat gcgggcgcgcg cacgtcgccc tcactctacct cgccgcgcgcg 240
gtcgtcgcgt tctgcgacgc gtacgccttc ggcgtgacgg acatgaacct gtcgagcacc 300
tacggcaagc tcgcatgggt gtcgtggggc tccagcgtgg ggcgcaacga cggcggcgctc 360
gtcgccggcc tcgtggcctg tgggatcgtg atggggacca tgtccaacgc caacaacctg 420
atg 423

<210> 24310

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F6

<400> 24310

cgccgtttgtg gatattgatg tgcactacgg gaatggcacc gcggagggct tctatgggac 60
agacaccgtg ttgacgatgt ctcttcacat gatgcatggt tcttgggggc catcgcatcc 120
gcagagtggc tccgtcgatg agattggtga gggcaagggg cttgggtaca atctcaatat 180
acctttgcct aatggaagtg gagatgctgc gtatgaatat gcgatgaacg agttggttgt 240
tccatcgatt gataagtttc agcctcaact gttgtttctt gtggtcggcc aagattccag 300
tgcgtttgat cccaatggaa gacagtgctt gaccatggaa ggctacagga aaattggaca 360
aataatgagg cgctggctg atcgccattg caatgggcaa atactggttg tc 412

<210> 24311

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F7

<400> 24311

ttaacatatt gttatattga ctgggttatt tgtactgaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aatatcatat cttttaaaaa aaattaatat tcttccattt tttttaaaat aaaatatttt 240
 attattcgat aaattaataa aattttatcg cctattgtta aaaatacatt aaccaaaaaa 300
 acacttactt taaaatacta aaagaattta ttaaaataac atttttaccc 350

<210> 24312
 <211> 324
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-F9

<400> 24312
 aacacacctt catctgcacg tacgctggca caactgcgga tgaccctgat caccgatgta 60
 atggatcatg ctggtcacag acgcccacga tatctccatc gtcaccggta ggacctccga 120
 ccaaaccgtc ttcagtgtcc aggactcgat catgttccaa gctatcaatg atggcaaaga 180
 tctttacgcc ttcgatacta ttccatatat tgacgatggc acacttcacg gacgcacgca 240
 cctggcctca cgatctaagt atttggacct tattgtcata taaagtgttt acacgtaatc 300
 cgtcagggtc atcgctcatg tctt 324

<210> 24313
 <211> 328
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-G1

<400> 24313
 tcgcggtacg gtgggcggca ggatcaagtt caaggcggtc gaccttgggg gccaccagag 60
 ggggcgccgc gtctggaagg actactacgc caagggtgat gctgttgtgt acttggtgga 120
 tgctgttgac aaggaacgtt ttgccgagtc gaagaaggag ctcgatgcgc ttcttgacga 180
 tgactccctt gcaaacgttc ctttccttat actgggcaac aagattgaca ttccatacgc 240
 ggcttcagag gaagagctga ggtactacct tggcctgagc aactttacaa ccgggaaagg 300

caacgtgaac ttggccgact tcaacgtt 328

<210> 24314

<211> 316

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-G10

<400> 24314

gcacgcctcc gcggaccggt tgcgggttact gttgcagctc gcctaccacc gctctgtcgg 60

ggttacgccg gggttcgcgc tccgtgacct tatccagtat ctgtacagcg acaaagttga 120

tgagaagaag gagctgatca aggggataac gttcggtaac aaagacaaat tccagcttac 180

gcctttgcct cagcaagtta ttgtgatatg gggagagcac gatcagatat tccctgtcga 240

gaaggcattt gaatttgcaa gggaacttgg cgcaaattct aggttggagg tgcttgagga 300

cactgtccac atgccc 316

<210> 24315

<211> 404

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-009-Q1-K1-G11

<400> 24315

cccacgcgtc cgccacgcg tccgaggacg cgtggggcag ctgctttccc ttcgggaggg 60

cgacggcgac ctccccgacg acttcagatt cgacatccac gtggacgtca ccttcgccaa 120

cgagcgctg cgccgcgct acgtcgcgt ccaggcctgg cgccgcgcca tgtactccga 180

cccagaac ttcaccggcg gctgggtagg agccgacgtg tgctcctact tcggcgtaac 240

gtgcttccg gactcgacg acgctaacac caccgtcgtc gcgggcatcg acctcaacgg 300

cggcgacatc gcgggttacc tccccggga gctcggcatg ctccaccgata tcgccttctt 360

ccacattaac tccaaccgct tctgcgcat catccccaag agct 404

<210> 24316

<211> 55

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-G12

<400> 24316

cccacgcgtc cgcccacgcg tccgcccacg cgtccggact agttctagat cgcga 55

<210> 24317

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-G3

<400> 24317

gagagagacg cagggcccgc ggcgacgacg gaggagggag gaaccagaga cccggcgggc 60

gcgacgatgg ctccgcgcag ctcatcggcg gcgacgtgcc tgtgcctcgc tctcgccgcg 120

gccacgctgg cgctggccca cgggtgcgcaa ggaggaggac catcggcatc ggcgggcgac 180

ctggacaagg tcacggccga gaccttcttc gacatcgaga tcgacggcaa gcctgcaggc 240

cggatcgtgc tgggactgtt tggggacacc gttcctaaaa ctgcagagaa cttccgagca 300

ctttgcacag gggagaaaagg aattgccaa g tccggcaagc ctctgtggta caaggggtcg 360

acgttccaca ggatcatccc ggggttcatg atccagggag gcgacttcac caacggcaac 420

<210> 24318

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-G5

<400> 24318

ggccggctcg ttgcacctcg gcctccgact cccttgggtca gcatagctgt cgcggggggc 60

tccagcccgg gccctccgc gccctctcc tgcgcggac cggcgctcg ctggcgacgt 120

tcgagcgtga gggcgcgac cggggccgac gacggccgcg ggcataggga gtccccgtac 180

gaggtgctcg gcgtgtcgcc gtctgcggcg cccaacgaga tcaagcgcg gtaccggcg 240

ctcgcgctca agtaccaccc ggacgtgaac aaggagccca atgctcatga gaagtatctg 300

cggatcaagc acgcttaca cactctgatg aactcagagt cagcatcaa gtacgcgagc 360

agcagttcgg attcgtcctg gtctccagc taccgggaga ggaaatcagc tgctgcag 418

<210> 24319
 <211> 256
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-G6

 <400> 24319

 cccacgcgtc cggccggatg gcgctgctca tgctttgtaa agtttgggag gacattgatc 60
 ataattgaag tcaagtgata ggatcctggt ttttaagtac acgatacaac acaaattctta 120
 acataaaaaa aaaaaaacat aaaaatagat aaaaaaata aaaaaaagaa aataaaaaaa 180
 aaaaatataa ctataaaaaa aagaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaggg 240
 gcgccccctt aaaaga 256

<210> 24320
 <211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-G7

 <400> 24320

 cggacgcgtg ggcggacgcg tgggcggacg cgtgggtgct tcaagatcga agggcggtaa 60
 gcgatgaaac cttttcccca taatatgcag cttaggacct gttctcgctc aatacattgc 120
 gccatgatta tggcaggtag agtcctcccc cctgagggtt tgacatccgc tggagcacag 180
 cctctcagcc tttgctgact ggacgagata ctgagcgcaa cttccatctg ttgcgccatg 240
 tttcgctagc ctacgctgta acagacatcg ttttttggtg ttggaagccc cattggcttt 300
 cgactagatt ctgttaaggt agggaatgag gtttttagatc accttggatg taagagaagc 360
 aggtagcgcc gtgtctggag tgtttagtat gtttagttat ccgacgagtt tctcgac 417

<210> 24321
 <211> 419
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-G8

<400> 24321

ctccctcttc cgctctctcc actccgccac tttttcccgg gacagcggag gtgggtgcaa 60

atgggggtgcc tcctccttcc ccggaggagg cggcgagggt ggggtggtggg gacgaatggg 120

gctccacctg gtccaccggc ctcaccaagg accactttga cggatcctcg ccctccgtca 180

gccgcctcgc cccttcccag tccgcgcccg tctcccgtga gcgggcggcc gttcgcgcca 240

tggacgagtg ggacgagagg agccaggaac tgtagcgcg aaatatcgag gcgaaggcgt 300

acgtggattc atgggacgac cggatgcggg agacctgtgc gctgctgaag caggtgcggg 360

tgccggggcg tcgngctcg tacctcaagg actcggagaa acaggagatg tacggttgc 419

<210> 24322

<211> 268

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F11

<400> 24322

gtcctacgtc accaggctca cgcgctacgc cggctccctc gcctgcacgc ccggcaggcc 60

ctgctagatc aagccaccag cgaggacggc cgacgaccag aggcagacct gcatgcattc 120

gccggctcgc catgtatgaa acaggggagt tgaaagcgcg acacaccaga gaacgtgtct 180

gtgtatactg tgcaaagggg ctaaacgcaa gagaatatgc acatatacaa agtcgcttat 240

tctgtctgca tattgaaggc caggtccg 268

<210> 24323

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D8

<400> 24323

cccacgcgtc cgctcctcca tcaccaccaa actcaacaac agccagctcg cgaaaataat 60

gaagagccgc agcatggcat catcggccgc gctcttggtg ctagccctcg cgctagtggc 120

ggccaccgcc ccacaggtag cggaggcaaa gaagaagaga gcggcggaga gcggcgaggc 180

ggcggaggcg aagaagatcc aggacgactt ctgctcgacg ctgtgcgagg gcaagaaggg 240

gacggacctg gtcgtgtgca aggagtcttg cgcgctctcc cagcagtcca acctggtgct 300
gtacggcagg atccagtgcaggaggcaagtgc caccgagcag aagggcacatca cggcgccggc 360
catgaaggtc tgccaggagg agtgcgacaa ggcgtacgtg gtgaaggcgg ccgaggtcac 420
ca 422

<210> 24324
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D9
<400> 24324

cgaaaatgca gctcccctgc ctcatgccca tcaaactcgtt aaacttggtta gatcgggagg 60
cggagagagg ccagactgat gggaatggca gcgaaggagc actttgtgct tgttcacggc 120
gaagggcatg gagcctggtg ctggttcaag ctccgctggc tccttgaggg tgctggctac 180
catgttacat gcattgacct agccggaggc ggcgtcgatc ctactgaccc caacacaatc 240
cggtcgttcc agcagtacga caagccactc atagacctca tttcaacctt gccggagggg 300
gagaagggtga ttctaactcg acatggtgct ggagggctga gtgtgattca tgcaatgcac 360
gaatttggtg acagaatcag ccaagcattt tttgtggcag ctacaatgct accatttgga 420
tttc 424

<210> 24325
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E1
<400> 24325

gatcaagtgc gataagcctg tggagtgcgg cggaagccc gtggtggtgc acataacgga 60
catgaactat gagcctatcg cggcgtagca cttcgattta gcaggcacgg cgttcggcgc 120
catggccaat aaggcgagg aggagaagct gcgcaaggcg ggcacatcg acatgcagtt 180
ccgaaggggt aagtgaagt acgacttcaa ggtcaccttc caccttgaaa aggggtgcgg 240
cccaactac ctggcactgt tggtaagta cgtcgacggc gacggtgaca ttgtggcagt 300

ggacgtcaag gagaaaggct ccgacacgta cgagcccctg aagcacttct ggggcgccat 360
 ctggaggaag gacagcgaca aaccgcttaa gggacc 396

<210> 24326
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-E10
 <400> 24326

ggaggggatc caatcccgtg tgctaccaac cccaaccca aacccaaacc caaaccgatg 60
 agattagagc atcgctcgca acttttttagg aactcgatgt ggtgtgcatc ctatttagga 120
 atgtgtactg aaaccatggc tctacgcctg tcacgggcaa aaccacctt ctagaatcta 180
 gattaggggtt acaacttata agtgcttcaa gtgtgtgtcg gggacctttt tggaaggagc 240
 gtgtctttgc aaggagtcga attagctcct ggtgttgatc ctgaagctct ggaagttgct 300
 aaggattgtc tggagtccat ttttagtggt aactcaacag ccaactggtga cgcaatacaa 360
 ccaggactgt tgtttgagct atttgcttct ctcgaagcaa atgaaagaga ccaggcaaga 420
 gc 422

<210> 24327
 <211> 420
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-E11
 <400> 24327

gacgcattca gctcctcggt ttttctctct cctctcttcg tccccgcgtg ggcaaggaga 60
 gagagaaaca ggggagcgcc cccactcct ctccgctgcc aagaaaccac cattcctaac 120
 ggatttctac ccagtcttct ttaggatttc cgattcgggt ctccggtgag aggggtgggaa 180
 ttttattttc ctccgctgca accggtgcaa acatttcgaa tccctccatt ccattcctct 240
 ccgtgcaatc gaccattcat atgttccttg gctgcattga ggcacggta cgcaatttt 300
 gatgtgagct gaccagacat ggctgcgaaa gacggctcgg gatcacaaga tctggggggg 360
 cacacgttct ggcccatgct gtcctacgct tgcggcgagc tgtgtgtgat cgtactgctc 420

<210> 24328
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E12

<400> 24328

cacagattag ggtttcggcg gcaacaatgg ttgcgcgacg gcggaaccaa cgcgcgtggg 60
 cgggtctagg ctcgggcgat ggaggctgat gtccggacta cgatggcaag ggcgggtgga 120
 tccgacacgt gcgggcgca cgggtggctga cgtgcgaaca catggtcagg tgggatccga 180
 cacgaacgag gtgcggctct agccgacgcg cggcggggcg ggtttgggat ggacagaagg 240
 ggtccgtgac ggccggacga caagtccgcg acatcgggcg cccgccgtg acagatggat 300
 gacgaggacc atcaatcagg catcgtcac cttgagacct agcccgtcat aggaaacaca 360
 tctgaggtgg gagcggctgc aataaaaatt cacaaaaaag ggaggatgca ataaaacata 420
 agtgag 426

<210> 24329
 <211> 417
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-E2

<400> 24329

gcgaatcaca ctttcatagt atctcacgcg gttccgattc acacgcttcc acatcccacg 60
 accgcgttgt cgccgatccg atcgccgctc ctgtcgagct catcacccag agcacctccg 120
 atcgcatcat cgtgctgtct gtgaacatcg gccgtcccga cgatggatca gtcgagtgtc 180
 gacgctggtc tcgccaaatc tactcacgcc gaattactgt tgatgctgcc cgacaccacg 240
 cttgttactc acctaggcgt gttcgatcta ctctggccgc tctactgctg ctncagtcag 300
 gcgctgtccc tattatcctg cggccaggcg agttcacgct tcttatggtc cagacagggtg 360
 cgttgaatct ggtctcgccg gacgactgct actacaggca cgcactgaac gtttttc 417

<210> 24330
 <211> 417

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-E3

 <400> 24330

 cctcgctaag gttcttgtgc tgcagccctg ttgcatgcca tagtcctagc atagctggcg 60
 ggaatctctt gccctccttg ctctctgata ctgcgccctt ggatcacctt ccatgtgttc 120
 ttggccttgt tcactcgtgc atctgaccat cagttcttaa gagtataatt ccattggaag 180
 caaatttttag ggtttctctg gagagactct gccaaccttt tttttttgcc ctggtgcatc 240
 tgcatacaact tgttcgtttc tctctcgtaa aaaaaaagc tcactgtcgt aaacgttttc 300
 gccaatgat ccatgataga ctaacgtcgt gtagatgtca caaatcctct ccgaggtgag 360
 tcaccgctgc agatttatga acaactcgac gctccggcga ggcacccatc ttgttct 417

<210> 24331
 <211> 341
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-E4

 <400> 24331

 cggacgcgtg gggttgcca agaattccct tccctagccg tcgtccgcgc tcgtctggct 60
 gggaagttcc cggacccgag attttgcca attcttaggt taaaaatcgg tttacctggc 120
 ttaaccccggt gtcttcttcc tttggttgtt gttaaaggga aaaaattctt agatctgttc 180
 cggatcaagc gttccaactc gggaatcaag ggtttcacac atatatttgt ccatttgaaa 240
 attatgtact caaggggtct aaagggtgca aaaagtctag caattgtcgt tctatgatgt 300
 atgaagcttc cctttgctac aacatttagg acgttcgacc t 341

<210> 24332
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-E5

 <400> 24332

 cccacgcgtc cgaacaagtg tacgtaaagg gcggccagaa gctacagcag gtgctgggtg 60

aacaagaacg cactcgaggg ttagcggatg cttccagtcc atctctccgt tgttctactc 120
ctgctgatag tactggtaga tcaaacaata ggattttctgg gatcgaatct acacctgtgg 180
atcaagacgg aactggacca tccgctttac aatcaatggg acagggattt cataatcaaa 240
gtgcaagtgg atggagggag aggtggtttt ctcgagagcaa ctctttactg gatcttggtt 300
ctgaggtgag gagggaggtc aacgcgggga ttgctgcggt gtctcgcatg atggaatggc 360
acgatgcaag ggacgggacg ggagcggagc cttctcctac ctctgcatca agatctgggt 420
c 421

<210> 24333
<211> 416
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-E6
<400> 24333

gcgcaaggag gttgacgcct accgactcct gctcggtttt agcgcctaccg aggaggggga 60
ggaggaggat gacgagcagg agatggtcac gccgcatagt ttcccatgt acgaaggaga 120
gcccagctcg tccaaatcgg tcgatgcgaa tcggatgcaa catTTtTggga atgattctgg 180
gttcagcttc aagacgccat caccgtgtga acaaccaacg gtgccgcctc ttactgcagg 240
gcaaataaat gtgggaagcg atgattgtgt tgctgttcag acgccggcca aagtTcccgt 300
ggttcaatca agactggagc tagatagctc tgaggatgag gactaggatg aggatgatgg 360
accagacacg gtggaaatcc tccccttata cggccggagc caaaatttgg atcaag 416

<210> 24334
<211> 155
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-E8
<400> 24334

attcccgtg cgaccactc atccgaatct agatccttag cacacactgt ctactactca 60
atcttacata cccttacgtg cgacaattta actattacat accttcaact aaattcaact 120
aactcaccgt ctacattaca caatctatac tcaca 155

<210> 24335
 <211> 410
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E9

<400> 24335

cggacgcgtg ggccggatct tgcgaagccg tgcaagtatc ctgcttcgcy gaggaggtca 60
 gtcatccgcc tgccgagggc cgagctcttc cgagtttctg cggagagtgg gcaacttttc 120
 tcgggtcccga atcgatttgc ctgctactcg cggtaggcga agggaaggat tcaaatcaac 180
 ataacatggc cgcagccacc gccgccgctt ccaccatgtc gctgctcccg atctcccagc 240
 tcaggcagca gcacggcgcy ggcgccatga ggcggcgcc ctgggtcgcy cggcggagggc 300
 gatacgtcgt tccgacggcy aggtgttctg ggccggcgat ctctgagggc tcgaagctga 360
 aggtgctgtt cctgggcgtg gacgacgagg ccggcagcaa gcagcacggg 410

<210> 24336
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F1

<400> 24336

cccacgcgtc cgcaggatgc cccgcagcgg catttcgggg accctcaggt cgccccggag 60
 ggacgtggtc atcggcacgg ggaaccctt cctgaaccgc accgtcgacg gcttcctcaa 120
 gatcggcgct gtcggcgctt gcaaggtggc ggccgacgag accttcgact gcctccacag 180
 ggggggatgtt tcaaagcgca aggttgagca tgccctgaag aatatgtgca aggagggcgc 240
 atattggggg actgttgctg gcgtctacgt gggcgtggcg tatggcgtgc agaggggtccg 300
 tgggcgcaat gactggaaga acgcgatggc ccgacgcgcc ttgtccggcg cgctggctctt 360
 cggcgtcagc accaaccacg gagacaagat cgtcaaggac gccatcacc 409

<210> 24337
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F10

<400> 24337

cgcaattctt gatgaggcat gtatgttccc caagtccaca cacgagacgt ttgcccggaa 60
gctataccag acttttcaaa agcacaagcg gtttgtgaag ccgaagctat ctctgaccga 120
ttttacaatc tgtcactacg ccggagaggt gctgtaccag tctgatcagt tccttgacaa 180
aaacaaagac tacgttgtgg cggagcacca ggaactgctg agcgcttcta aatgctcgtt 240
tatctccgga ttgtttccgc ctccgccaga ggagacgtcc aaatcgtcca agttctcttc 300
cattggagct cgctttaagc aacaacttca agcccttatg gacacattga actccacaga 360
gcctcactat attagatgtg tgaagccaaa caatgtcctg aaaccagcga tctttgagaa 420
cgtc 424

<210> 24338

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D7

<400> 24338

cctcaacctc cagcccaacc tccagcccgg aatcgagagc aatggcgctc gccgagggca 60
aggagatcgt tgcctccgct ccctcgtcg tcttcagcaa aacttcctgc cctttctgcg 120
tccgtgtgaa gcagttgttc gagaagctcg gagcaagcta caaggccatt gagttggata 180
aggaaagtga tggagctgag ctccagaatg ccctgaagga gtggactgga cagaggactg 240
tcccaaagtgt cttcatcaat gggaagcata ttggcggctg tgatgatact atggcactga 300
acaatgatgg gaagctgggtg cctttgctga ctgaggctgg aaccatcgcc ggttctgcct 360
cgaagacaac catcactgct tgacatgtgt gtaaccattc 400

<210> 24339

<211> 426

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-K1-F10

<400> 24339

attggaccgt ctaaccaca agtggaaacat tgaaaatttc aatactacag agcaccagat 60

gcaagacaca ccatacttgt ccagtcgata taccagtaga gatattctag ccttgggtat 120

cagagacttc aattcctctc aacttactta ccagcaagaa cttcaacatc ttgaaagttg 180

ggtgaaagaa tgcaggttgg accaactacc atttgtgcga caaaatttgg catacttctt 240

attgtccgct gctggctgca tgtactcccc tgaactgtct gaagctcgca ctttgtgtgc 300

aaaaaatggg gcgctcataa ctattgttga tgacttcttt gatgttggag gatcaaaaga 360

agaacttgaa aaccttgtca tgttggttga gctgtgggac gagcatcaca naattgagtt 420

ttactc 426

<210> 24340

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-B11

<400> 24340

cccacgcgtc cggctgcgct gctgcctaca gctagagatg catcgatctc agttgccccg 60

ctcctgtccg ccatgggtggc ggcggcctcc cgcgatccac gacacgaagg cgtccatggg 120

gcccgcgtcc gaccggtagt gcttctgcgt gaactcgagg aactcgcgcc acgtgaagtc 180

cgggaacgcg cggggggggc ccgctgctt gttctcctgg aggagcgcgc cggcggggcg 240

gacgacgcgg tccagcggcg ggttgaggaa gaaggcgagc gaccggcggg cgccgtcgcc 300

gtcaccacg gcgcggtgca ngcagctggg gtgacgcccg tcggtgagcg cggcgaaggt 360

gtcgccgatg ttgaccacga acgcggtccc gcggggccgn accgggcgcc acggtccgcc 420

gcc 423

<210> 24341

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A9

<400> 24341

gagtcgctct gcactgcacg actcctcccc catctaccac tacctgtcta cctaccgagc 60
ccatcgactg cccctcgcaa cgcaatggcg ctgccacca actccgccgc tgcgcagca 120
gctgccgtat cggggggcg ggcattcccag ccgcaccgcg eggccacgtt cctcccgtg 180
aagaggcgca ccatctccgc catccacgcc gccgaccgt ctaagaacaa cgggccccgc 240
gtccccgcgg ccgccgccg taagtcatct gcctctgcgg tggccacgcc ggagaagaat 300
ccggcgggcg cggtaaagt ggcggtcgac agctggaagt cgaagaaggc actgcagctc 360
ccagagtacc cgaaccagga ggagctggac a 391

<210> 24342

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D4

<400> 24342

gcggttgatt gatatttga atcccga aaa cagggctggg agaataacca tcatcacaag 60
aatgggacct gaaaacatga gggtgaaact tccacacctg atacgcgctg tccgtggggc 120
cggtcagata gtaacatggg ttactgacct aatgcatggg aacactatga aggccccttg 180
cggactcaaa acccgctcgt tcgacaggat tttgggtgag gtgcgtgcgt tctttgatgt 240
ccacgaacaa gaaggagacc accctggagg agtgcattta gagatgactg gacaaaatgt 300
tacagagtgc atcggcggtt cacgtacggt gaccttcgat gatctggggg cacgtacca 360
cacgcactgc gacccaaggc tcaatgcctc acagtctctg gagatggcat ttatcatcgc 420
cgagcgcctt aagaaaag 438

<210> 24343

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D6

<400> 24343

cccacacatc cacatttcca ataacacatt tcatcgcaac atataccatc cttcactggg 60
ggcatcatga acacatgtgg gtgaaactta cacacctgat acccgctgtc cattctgccc 120

gtcagatagt aacatggggtt actgacccaa tgcattggaa cactattaag gccattgag 180
gactcaaaac cctctcggtt gacaggattt tgggtcacgt gctgctgtt tttgatgtcc 240
acgaacaaga agggagccac cctggaggag tgcatttaga gatgactgga caaaatgtta 300
cacagtgcatt cggcggttca cgtactgtta ccttcgatga tctggggtca cgctaccaca 360
cgcaactgta cccaaggctc aatgccttac agtctctgga gattgcattt atcatcgccg 420
aacgccttat gaaa 434

<210> 24344
<211> 437
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-031-Q1-K1-F6
<400> 24344

cggacgcgtg ggcgagcaag ccttaacccg gcaagactcc accaccggtc ttttctacga 60
ctgctccgcc cacatgctct gggtcggcga ggcaccccg cagcttgatg gctccatgt 120
ggagttcctg aggggggatcg ccaaccccct tggcatcaag gtgagcgaca agatggagcc 180
cggcgagctg gtgaagctga tcgacatact gaacccgacg aacaagcccc ggaggatcac 240
cgtcatcaca aggatggggg cagagaacat cagggtcaag ttacctcacc ttatccgcgc 300
ggtcgccag gctggacaga gtgtcacctg gatcactgac ccgatgcacg ggaacaccat 360
caagactcct tgcggacgaa agactcggcc atttgactcc attctggccg aggtacgggc 420
cttcttcgac gtgcacg 437

<210> 24345
<211> 293
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-008-Q1-K1-A2
<400> 24345

cgcgcgcatc gccgccaagg tggccgcca ggcctacgag ctccgacctg ccagccggcg 60
gccccgacct gacgacctg tcagctacgc ggagagctgc atgtacacct ccacctaccg 120
cagctaccgg taaggaccac ccatgccgcc atgcgtggca tggagccatg gccggcgcta 180

gaggagtgag ttttacacgt acgtactttg atttttttta tgtactgtat ttctgtgtac 240
ggcaaaatac accacaccca catatatacg gaggtgaagt tgattcttct gac 293

<210> 24346
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B5

<400> 24346

cccacgcgtc cgcccacgcg tccgcggacg cgtggggatg tccaaacata ctgggtctcc 60
gatcgaagag tgccgcccga agatctggct gatggactcc aagggcctga tcgtggtgtc 120
acggaaggac tcgctgcagg cgttcaagaa gccatgggcg cacgagcacg agcccgtggc 180
aaccctgctg gagggcgtgc agtcctgaa gccgacgggtg ctgatcgga cctcgggcaa 240
gggcggcacc ttcaccaagg aggtggtgga ggcgatggcg tcccagaacg agaagccggt 300
catcttcgcy ctgtcgaacc cgacctcgca ctgggagtgc acggcggagc aggcctacac 360
ctggaccaag ggccgcgcgg tgttcgcgag ctgcagcccc ttcgacagcg gtgagctgga 420
cggcaagggtg ctggtgctcg ggcagt 446

<210> 24347
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E9

<400> 24347

cccacgcgtc cgcaagtcct ggggtccaca tgatgatgca attactgatt aggaatgaga 60
gagatggcat tctgtgcccc attcctcagt accccttgta ctgggcctcc atagctcttc 120
atggtggagc tcttgtcccc tattaccttg atgaaaaaac tgggtgggggt ttggagatct 180
ctgatcttaa gaaacaactc gaagatgctc ggtcaaaagg cattgatgtt agggccttgg 240
tggttatcaa tccaggaaat ccgactgggc aggttcttgc tgaagacaac caatatgata 300
tagtgaaatt ctgtaaaaat gagggccttg ttcttctagc tgatgaggta tatcaagaga 360
acatctatgt tgacaacaag aaatttaact ctttcaagaa gattgcaaga tccatgggat 420

acggcgagga tgatctccct ctagtatcat ttcagt

456

<210> 24348

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D6

<400> 24348

tgctgtgtaa gctcatcatg aaagaagggg tgaagaactt caaccgggtt tatctctggg 60
acgaaggatc gaccatcagc tgggtgcctt gtggaagaaa gctcacatgc tcttaccctg 120
gcatcaaatt ttcctatggc ccggacactt acttcggaaa cgaggtatct gttctggaga 180
tggatgggca attcgacaga ctagatgagc tcatctacgt ggagagccat ctaagcaacc 240
tttcaaccaa gttctacgga gaggtgacac aacaaatgct aaagcatgca gacttcccag 300
gtagcaacaa cgggacaggt ctcttccaga ccatcattgg actgaagatt agagacctct 360
atgaacagat tggttgctgag agggctggtg taccagcgga agcagcaaaa gtttaacgat 420
ctat 424

<210> 24349

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F11

<400> 24349

gcgtccacgc gtgcgcccac gcgttcgcta gctttgttgc tgaatgcgga gccagtctcg 60
agcgaggggg gggcttgagc gagatggacc acgcggcgga cgcgcaccgg acggacctga 120
tgaccatcac gcggcacgtg ctgaacgagc agagccggaa ccccgagtcc cgcggtgact 180
tcaccatgct gctctccac atcggcctcg gctgcaagtt cgtcgcaccc gccgtcaaca 240
aggccaggct tgcacagatc atcgggctcg ccggctagac cgacgcgcag ggagaggagc 300
tgatgatgct ggacgttctg tccaa 325

<210> 24350

<211> 407

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-C1

 <400> 24350

 cacaccacac cacacctgct cgcttccact ccgctcgtct gacatctcgt cccgtcgttg 60
 cgtttcgaag cctcgcgagc cccgacgatg gccaccgccg cgggtgctggt cgacgagaag 120
 ctcgacaagc ttcgcgccga ggtcgccaag ctcgaccaga tcagcgagaa cgagaagtcc 180
 gggttcatca gcctcgtgtc acgctacctc agtggggaag cggagcagat cgagtggagc 240
 aagatccaga cccctacgga tgaggtggtg gtgccctacg ataccgtcgc gtagcctccc 300
 gaagatctcg aggagacgaa gaagctgctg gataagctcg ttgtgctcaa gcttaacgga 360
 gggctcggga cgaccatggg ctgcactggg cccaagtatg tcattga 407

<210> 24351
 <211> 388
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G2

 <400> 24351

 atcacacaca ctgcggaact ccatttcgat tccatttttaa atcaaccat cctcgtttcc 60
 ggcgtgtggc agcctctcac cctcatggcc aagatcaaga tcgggatcaa tgggttcggc 120
 aggatcggaa ggctggtggc cagggtggcc ctgcagagcg acgacgtcga gctcgtcgcc 180
 gtgaacgacc cttcatcag caccgattac atgacctaca tgttcaagta tgacactgtg 240
 cacggacagt ggaagcacca tgaggtcaag gtgaaagact ccaagaccct tctctttggt 300
 gagaaggagg ttgctgtgtt tggctgcagg aaccctgagg agatcccatg gggtttccgt 360
 ggcgttaat atggttgatg gtctactg 388

<210> 24352
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G3

 <400> 24352

atcacacaca atctcgaact cgctttggat ttcatttagc atcaacccat gctcgattcc 60
ggcgtggaga ctctctcatg gtaatggccc agatcaagat cgggatcaat gggttcggca 120
ggatcggaag gctggaggcc aggggtggacc tgcagagcga cgacgtcgag ctcgtcaccg 180
tgaacgaccc cttcatcagc accgattaca tgacctacat gttcaagtat gacactgtgc 240
acggacagtg gaagcaccat gaggtcaagg tgaaggactc caagaccctt ctctttgggtg 300
agaatgatgt tgctgtgttt ggctgcacga accctgagga gatcccatgg ggtttccgtg 360
gcgctgaata tgggtggtgag tctacttggtg ttttcac 397

<210> 24353
<211> 315
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G9

<400> 24353

gcaagatcaa gatcggaatc aacggtttcg gaaggatcgg caggctcgtg gccaggggtg 60
ccgtgcagag cgaggatgtc gagctcgtcg ccgtcaacga ccccttcac accacggatt 120
acatgaccta catgttcaag tacgacaccg tgcacggcca atggaagcac agcgacatca 180
ccctcaagga ctccaagacg cttctcttcg gcgagaagcc ggtcaccgtc tttggcatca 240
ggaaccccga ggagatcccg tcgggtgagg ctgggtgctga gtatgtcgtg gagtccaccg 300
gtgtcttcac tgaca 315

<210> 24354
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H1

<400> 24354

cccacgcgtc cgcccacgcy tccgggtgcy gcgttcgtgc agtcacagac aggcgtccgg 60
gcaccgtgcy tttcacggc acgcaggaca agtgacggc gtgcgacaag accgttcact 120
tcatcgacct cctcacggac gacggcgcca tctaccataa gacatgcttc aagtgcagcc 180
actgcaaagg ggtcctctcg atgtgcagct actcctccat ggacgggtgtg ctgtactgca 240

agacccactt cgagcagctc ttcaaggaga ccgggagctt ctccaagaac ttcacgccag 300
gtggcaagtc atcagacaag ggtgaactga caagggcccc aagcaagctg tcgtctgcat 360
tttctggtac ccaagataag tgcgcagcat gccagaaaaac 400

<210> 24355
<211> 464
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-020-Q1-K1-A12

<400> 24355

cccacgcgtc cgcgggaggc gagagtgcgt gcgtgcagcc acaggcaggc gtcggcgcca 60
tgtcttcttt caccggcacg caggacaagt gcgcggagtg cgacaagacc gtccacttca 120
tcgacctcct caccggccgac ggcgtcacct accataagac atgcttcaag tgcagccact 180
gcaaagggat cctctcgatg tgcagctact cttccatgga cgggtgtgctg tactgcaaga 240
cccacttcga gcagctcttc aaggagaccg ggagcttctc caagaacttc acgccaggtg 300
gcaagtcttc agacaagggt gaactgacaa gggccccccag caagctatca tctgcgtttt 360
ctggtactca ggataagtgt gctgcttgcc agaaaacagt gtacccgctg gagaagttaa 420
ctctggaagg cgagtcctac cacangagct gcttcaagtg ctcg 464

<210> 24356
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C5

<400> 24356

cccactcgtc cgtccactcg tccgattgtg ggcgagtgcg tgcgttcgtg cagccacaga 60
gaggcgtccg ggcaccatgt ctttcaccgg caccgaggac aagtgcacgg cgtgcgacaa 120
gaccgtccac ttcacgacc tcctcacggc cgacggcgcc atctaccata agacatgctt 180
caagtgcagc cactgcaaag gggtcctctc gatgtgcagc tactcctcca tggacgggtg 240
gctgtactgc aagacccact tcgagcagct cttcaaggag accgggagct tctccaagaa 300

cttcacgcca ggtggcaagt catcagacaa ggggtgaactg acaagggccc caagcaagct 360
 gtcgtctgca ttttctggta cccaggataa gtgcgcagca tgccagataa cagtgtaccc 420
 gctggagaag ttaactctgg a 441

<210> 24357
 <211> 435
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B3

<400> 24357

cccacgcgtc cgggcttgct gagctggagc tgatggatct agggtttggg ttgcggtgat 60
 ggtcctgcag cgcaggagga gctcatggcg gaagctccgg cgagccctgg cggcggcggc 120
 gggagccacg agagcgggag cccagggga ggcggaggcg gtggcagcgt cagggagcag 180
 gacaggttcc tgcccatcgc caacatcagt cgcacatga agaaggccat cccggctaac 240
 gggaagatcg ccaaggacgc taaggagacc gtgcaggagt gcgtctccga gttcatctcc 300
 ttcatcacta gcgaagcgag tgacaagtgc cagagggaga agcggaagac catcaatggc 360
 gacgatctgc tgtgggccat ggccacgctg gggtttgaag actacattga acccctcaag 420
 gtgtacctac ggaag 435

<210> 24358
 <211> 345
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B8

<400> 24358

ctggagcatc ctctacgtgc tgaacgtgat ctacagcctc ctgacgggca ggctggtgcg 60
 cgagaaggtc gaccggcgcg tgcagcgggt ggtccgcagc cagatgaacg cgggtggactc 120
 gtcgccgttc agggagtcgc cggacctgtt cgagggtggag gccaccaacg gcatgccgcg 180
 ggcgtccatc gacaagctcc ccgagtcgtg gatcaccgag gagtacaggc gcgacgccgt 240
 cggcgacctc tccggctgct ccgtctgcct ccaggatttc caggtcgggg agaagggtgcg 300
 gagcctgccg gactgctggc acgtgttcca cgtgccgtgc attga 345

<210> 24359
 <211> 392
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-D2

 <400> 24359

```

caccgcgtctg ccgctgtgcc gcacggccct caccgcgcac gagaccgctc cttgaggggc   60
acgtcctata tcggtggctc ctgcctctcg ccgccgatac agtgcctctc gcggtctcgc   120
tcccactcac aggtctattg gtttttttag ttccctacctt agcttcttgg aggtgtttgt   180
tgccgtctca cccgcagttc ttgagacatg cagagccaga tagtgtgcca cgggtgcagg   240
acccttctga tctacccaag aggtgctccg agcgtgtgtt gtgcggtatg ccatgtggtc   300
accaatgttg ccgcttcagc aatggagatg gctcgactta tatgtcgtgg cttgcagaca   360
ttattgatgc atgctcgag tgcaacaact gt                                     392
  
```

<210> 24360
 <211> 468
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-B7

 <400> 24360

```

atcgccgtgt gcgccgacga ccccgagtac cgtcactaca acgacatcag cgagctctgc   60
cctcaccgcc tacaggagat ccgccgcttc ttccaagact acaagaagaa cgagaacaag   120
gagggtggccg tcaacgactt cctgcccgcc gccgctgccc gcgaagccat ccagtactgc   180
atggacctgt acgggcagta catcatgcag accctgcggc ggtagagcgt gtcctaccag   240
atcccatgcg agctgagctg acgcaagagc acagatcgac agaatccttg tgggtctagtc   300
tcatgcatgg atagccaggt cacatggctt gtcgacgacc atgcatctgt tcttcccagc   360
gattctagcc tgtatctgcc cttatttata gtctcttggg tttgggtggaa tctgtccaca   420
gtgtggcttg atctatgtac tactcttcta catttctacc agaacgaa               468
  
```

<210> 24361
 <211> 428
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D6

<400> 24361

cgcggcagac ggtagccgac ttcttcgacc ggtgcaagca agaccagat cactggggga 60
gaatatctgg agcagggctg cagcgcatat acgagaagta cacatggaag atatactcag 120
agaggttgat gacactggcc ggggtctacg gtttctggaa gtacgtgtcg aagctcgaga 180
ggcgggagac gaggcgctac cttgagatgt tctacatact gaagttccgc gagctggcga 240
agaccgtgcc gcttgcaatt gaccaaccgc agtagcttgc gcaactgcga ctgcgtagca 300
cttggtacaa gactgaaacc tgaaggacct tcagtaattt aggcgcggca gacggtagcc 360
aataaaatgt gccggagctg aactggtttt tattatgtac ataatggcag tataacaaaa 420
ttactgaa 428

<210> 24362

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B9

<400> 24362

gctagctctc tggtgaccat tgcgtattct gaaccatcga gccatggctg ccaagcgtac 60
tggcctccac agtcttcgcy aacgccttgg tgccaccttc tctcccatc ccaatgaact 120
gatagcactc ttttccaggt atgttcacca gggcaaggga atgcttcagc gccatcagct 180
gcttgcygag tttgatgcc tggttgatag tgacaaggag aagtatgcac cctttgaaga 240
cattcttcgt gctgctcacg aagcaattgt gctccccca tgggttgac ttgctatcag 300
gccaaaggcct cgtgtctggg attacattcg ggtgaatgta agtgagcttg c 351

<210> 24363

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C2

<400> 24363

gatcgggatt gtgggcgagt gcgtgcgttc gtgcagccac agacaggcgt ccgggcacca 60
tgtctttcac cggcacgcag gacaagtga cggcgtgcga caagaccgtc cacttcatcg 120
acctctcac ggccgacggc gccatctacc ataagacatg cttcaagtgc agccactgca 180
aaggggtcct ctcgatgtgc agctactcct ccatggacgg tgtgctgtac tgcaagaccc 240
acttcgagca gctcttcaag gagaccggga gcttctccaa gaacttcacg ccagggtggca 300
agtcattcaga caagggtgaa ctgacaaggg cccaagcaa gctgtcgtct gcattttctg 360
gtaccagga taagtgcga gcatgccaga aaacagtgt cccgctggag aaggttaactc 420

<210> 24364
<211> 430
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-030-Q1-K1-G10
<400> 24364

cggaggaaca aacttttagag tgtaagagt tgaagttggt gctgggtctg tggtcacccg 60
tcggaagggt gaacttccca tccctgagga attgaccaag ggtacaattg aggagctatt 120
caactttggt gccatgactc taaaggaatt tgtagaaca gaagatggga acgatgaaca 180
acgagcgctt ggtttcacat tttctttccc agttagacaa acatcagtat cttcggggtc 240
attgattagg tggaataaag ggtttttgat tgaagatgcg gttgggaaag atgtggctca 300
atgcttaa at gaagctcttg ctaggaatgg actaaatgtg cgagttactg cactggtgaa 360
tgacaccgtg gggacattag ctctaggaca ttatcacgat gaggatacag tggctgctgt 420
gatcattggt 430

<210> 24365
<211> 280
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-043-Q1-K1-F11
<400> 24365

atgagttgag gcgcttacac aaactttcat tccggcctct tggtccatag tttttcttgc 60
atgttacatc tcaccgatga ataaaatgta tgtatcagac ttgtctcggt tttttgccca 120

tccaagcagc aaattagccg ctggcacagc atgcggtaat aatcttgtca cagtgcctgta 180
attgggagcg tttttcttgt tagaagtgtt tctggtttgt ttgagcattt acggatcgat 240
ttttctttct gaagagtata taaacatttt actcacctgt 280

<210> 24366

<211> 338

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F12

<400> 24366

cttactcggg cgcttcaagt cgatacctat cattgttgag cttgacagct tgaacgtctc 60
gggtgatgtt tgggtcgggt ctggaattgc actgaatggg aaagcgcca tcaactgcaa 120
acctgtcgtc aagctataaa ttcaatacgg atcactgatt ggtgaataat gatctcagtc 180
gccttgagga cctttagata agaataagcg taccaccagc tacgcttact taccgaagtg 240
acggatcctc gctcgtggac tctcctgaat atccagacaa gtccgatgat actacggacc 300
atatcaactg ccagcatatt gcaatcattg tacatgta 338

<210> 24367

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E5

<400> 24367

cgcttcctac cagttaaggc gacatcagat ttgcagctag tacagtctga tctatatacc 60
ttggttgatg gcttcgttac acgtaattca gccagaacaa atctatcaaa tccctcaatt 120
gaacttggtc ctgagttcaa gaaggttggg agcttccttg gtcgcttcaa gtcgatacct 180
agcattgttg agcttgacag cttgaagggt tccggtgatg ttggttcgg ttctggaatt 240
gtactgaagg ggaaagtgc catcactgca aaacctggcg tcaagctaga aatcccagac 300
ggagcagtga ttgggaataa 320

<210> 24368

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G12

<400> 24368

cacacctcct cgcttccact ccgctcgtct gacatctcgt cccgtccctt cgtttcgaag 60
cctcgcgagc cccgacgatg gccaccgccg cgggtgctggc cgacgagaag ctcgacaagc 120
ttcgcgccga ggctcgccaag ctcgaccaga tcagcgagaa cgagaagtcc gggttcatca 180
gcctcgtgtc acgctacctc agtggggaag cggagcagat cgagtggagc aagatccaga 240
cccctacgga tgaggtgggt gtgcctacg atacgctgc gtcgcctccc gaagatctcg 300
aggagacgaa gaagctgctg gataagctcg ttgtgctcaa gcttaacgga gggctcggga 360
cgaccatggg ctgcactggg cccaagtctg tcattgaagt ccgcaatggg ttcacattcc 420
ttgaccttat tgtgattc 438

<210> 24369

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G12

<400> 24369

cccacgcgtc cgccacacca cacctcctcg cttccactcc gctcgtctga catctcgtcc 60
ggtcctttcg ttctgaagcc tcgcgagccc cgacgatggc caccgccgcg gtgtcgggtc 120
acgagaagct cgacaagctt cgcgccgagg tcgccaagct cgaccagatc agcgagaacg 180
agaagtccgg gtctcatcag ctcgtgtcac gctacctcag tggggaagcg gagcagatcg 240
agtggagcaa gatccagacc cctacggatg aggtgggtgg gccctacgat accgtcgcgt 300
cgcctcccga agatctcgag gagacgaaga agctgctgga taagctcgtt gtgctcaagc 360
ttaacggagg gctcgggacg accatggtct gcaactgggccc caagtctgtc attgaagtcc 420
gcaatggggtt cacattcctt gac 443

<210> 24370

<211> 440

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-025-Q1-K1-A10

<400> 24370

cccacgcgtc cgccaagagc ttcacgcgaa gcaatcacia tggatcgtac ctgatcaaga 60
actacgagaa tccttgaggc tcgctgtagc cgaagtcctg ttgccagcct accgatcttt 120
tatcaaacgc tttggcaatc ttgtggacaa caacaagaac ccgcagaagt acgtgcggta 180
cagcccagaa gcagtggacc aacttctagg ccagttcttc gaagggcagc aatgggcgga 240
gcaaaagcgc tgagcaacat agagtgtgag tgacggcatg agtacagcca gatgccagta 300
agttcaacag cacagatttc ttccgaagca accaccagtt ctttctcgca ctacatataa 360
tatatagtga cataaacgct tgctgtgcaa gcactaccta gttntctttt ctcagaaaaa 420
gcgcgcctaa gtttcttttc 440

<210> 24371
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H9

<400> 24371

gaacgtttgt gtcattatc ctttaattgc ttcttggtgt tgatcccaat gatccatctg 60
tggaagattt gctggcatcg ttgcacagcc agggagagca agagaagaag gaagacacgt 120
cagacaaaac agaagacgag aagaactgat gtagccatgt tcacgcctcc atgcgcacaa 180
agaaattgaa gaccggctctg cgtttactct cttggctctg gagtttgttt atcctcatat 240
aaccgtgctt tgattataac ttaccgccga gggaatttgt attatgacgc tgcaacaatc 300
ttctctccat atatgttcaa gggattttcg tgtttcaatg ctctccaaaa aaaaacaaca 360
tccttaaaga tatctaagct tacatactc aatttacaac aaaaaaagg ggcgccgctc 420
gcgatctcta agtctagatc gcgagc 446

<210> 24372
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-H6

<400> 24372

gtgatccatc tcttgcttct atcttcttga tgaataatgg caagtacatc atacacaagg 60
tgaatgacag tgagttgggt gttttactcg gtgatgagtg gataaagcag atgacaaata 120
gagttcgacg ctggagcatg gattatcagc gggcaacatg gggcaagggtt acaactgtgc 180
tgcaaagtgg tactccaggc attggtggac tcccagccaa ggcaatgctg cagaaactgc 240
gaatgtttta tacatatctt gaggagatct atgcggcaca gtcagaatgg gtgatagcag 300
atgaccagct aaaggttgac attagggcag cgggtggagga gacagtgatg ccagtttacg 360

<210> 24373

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-H6

<400> 24373

gggcgagtg gtgcgttcgt gcagccacag acaggcgtcc gggcaccatg tctttcacgg 60
gcacgcagga caagtgcacg gcgtgcgaca agaccgtcca cttcatcgac ctcttcacgg 120
ccgacggcgc catctaccat aagacatgct tcaagtgcag ccaactgcaa ggggtcctct 180
cgatgtgcag ctactcctcc atggacggtg tgctgtactg caagaccac ttcgagcagc 240
tcttcaagga gaccgggagc ttctccaaga acttcacgcc aggtggcaag tcatcagaca 300
aggggtgaact gacaagggcc ccaagcaagc tgtcgtctgc attttctggt acccaggata 360
agtgcgacg atgccagaaa acagtgtacc cgct 394

<210> 24374

<211> 473

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-G6

<400> 24374

gagaagcgat cgggattgtg ggcgagtgcg tgcgttcgtg cagccacaga caggcgtgcg 60
ggcaccatgt ctttcaccgg cagcgaggac aagtgcacgg cgtgcgacaa gaccgtccac 120

ttcatcgacc tcttcacggc cgacggcgcc atctaccata agacatgctt caagtgcagc 180
 cactgcaaag gggctcctctc gatgtgcagc tactcctcca tggacggtgt gctgtactgc 240
 aagaccact tcgagcagct cttcaaggag accgggagct tctccaagaa cttcacgcca 300
 ggtggcaagt catcagacaa ggggtgaactg acaagggccc caagcaagct gtcgtctgca 360
 ttttctggta cccaggataa gtgcgcagca tgccaganaa cagtgtaccc gctggagaag 420
 ttaactctgg aaggcgagtc ctaccacang agctgcttca agtgctcgca cgg 473

<210> 24375
 <211> 453
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-G8

<400> 24375
 gtcatgcact ggagacgttg gcactacata tacagcagct tatcatggat agtaacgggg 60
 ggggtgtttc cattgatggc gcccaacttt cctttgagac aggtgaaatt gattttggtg 120
 aacctggaac taatggccag cacagcttct atcaattaat ccatcaggga agggttatcc 180
 cttgcgactt tattggtgtt gttaaaagtc agcagcctgt ttacttgaaa ggggaaactg 240
 tgagtaatca tgatgagctt atgtccaatt tctttgcca acctgatgca cttgcttatg 300
 gaaagactcc tgaacagttg cacagtgaga aagttccaga aaatcttatt cctcataaga 360
 cttttaaggg caaccggcca tcactaagtt tgcttctgcc tacactatcc gcatatgagg 420
 ttggacagct tttatccatc tatgagcacc gga 453

<210> 24376
 <211> 349
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-E1

<400> 24376
 cggaacgctg ggctgaaagg agagctctgc tgggagaatc aaatgaattt gttggagaca 60
 aggttgcgta tgccctgtct cagggactaa aggtcattgc atgtgttggt gagacacttg 120
 agcagaggga ggctgggtct accatggagg ttgttgctgc acaacaaaa gcaattgctg 180

agaagatcaa ggactggagc aacgtagttg ttgcctatga accagtttgg gctattggaa 240
 ctggtaaagt tgccacccca gctcaggctc aggaagtgca cgcctncctg agggattggc 300
 taaagaccaa cgtcagccct gaggttgctg aatctactag gatcattta 349

<210> 24377
 <211> 304
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-014-Q1-K1-H11
 <400> 24377

ctgcaaagag ctggcagcac agcctgatgt cgatggtttc cttgtgggcg gtgcttcttt 60
 gaggcccgag ttcacgaca tcataacgc cgccgccgtg tgaagtccgc tgaagatgtt 120
 ccaacccttc accctgttgc ggtgatgtgc tgaagacaga tcagactatt tttttgttta 180
 accgtgcagt gctatgtaag ctactaactt tgcgctgggtg cggatgctga tttccctccc 240
 cctagctttt tgtgaggcta ctctacagct tgattcagct tgctaataat gtttgcctct 300
 ggac 304

<210> 24378
 <211> 360
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-C3
 <400> 24378

cgatctccat tgtggagagc agtggcgggc gcggcgacgg cagcgcgggg agcgacgggg 60
 cggcatcgtc catgttccag aggttctggg actccgccat ggccttgggc cccttgagc 120
 acgagacgga caccagtc cagatgagcg aggcgtcgag gtcgcagatg atgatgtccg 180
 atgtccacca ccaccaccac caccagact ccgcggggcg cggcagcgaa gcgggggttct 240
 cgctgtcgtc cttctccttc aagctccagg acaagcgagg gcggatgcac cgcttcagct 300
 gtgaggttca gagcttgacg cctctggtga cctgcatnct gcggaagctc ggcgccgaca 360

<210> 24379

<211> 400
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-C4

 <400> 24379

```

gaagagcata cgatggcgtg cacgaacaat gccacgagcg catcgatgct agtgatggtg   60
ggattagtcc ttcgttgga gaaggataag tcgaaggtct tgtctgcgaa cgcttacgcg   120
actggtactg actccaacgt tatcaacttg agcccctcca accacagctt ctaaaacagc   180
aagaaagggtt acaactaagc attgccataa gcatgggcct gggcctgtca accaaactat   240
catcataccc aaggagact catttgccga acaacttaat tccaaaggcc cttgaaaggg   300
caacgggacg ttcaagttga atgtcaattt gcaagtcaac acggacttaa gccagtacac   360
aaccatggt aatggcatcg ctattttact cacgaataac                               400
  
```

<210> 24380
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-C6

 <400> 24380

```

gacgaccact cctccacaa cgccttcagc acctacggcg aggtcctcga gtccaagatc   60
atcctcgatc gggagacgca gaggtcccgc ggcttcggct tcgtcacctt ctccacggag   120
gaggcgatgc ggaacgccat cgagggcgatg aacggcaagg agctggacgg cgcgaacatc   180
accgtcaacg aggcccagtc ccgcggcggc cgtggaggcg gcggcgggcg cgggtacggt   240
ggtggccgtg gagggcgcg ctacggcggt ggcgggcgcc gtgatggcg cggcggctac   300
ggcggtgggc gcggctacgg tgggtggcgg ggcggctacg gtggtggtgg cggctgctac   360
ggcggtgggc accgtggcg cggtacggc aactccgacg ggaactggag gaactg         416
  
```

<210> 24381
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-C7

<400> 24381

cccacgcgtc cgcagaatag taggagttgg atgcgcatgc acttcacgac aaatgagggg 60
caaacaaatt tcaaaaagtt catacaaact acatttggtg gcactactag aggagaaact 120
gcaccatgtc catgttcaag atgtcgatgc atgtcctaca aaacacaatc tcaggttcag 180
agtcacttgg ttattagagg gtttgatgag agcttcatcg aagaaggaaa ccaagcaaac 240
gattcagatg agggcaatgc tgcaacagtt gtcaatgatg atgaaacagg tgacagtggg 300
tctgtgaccg aactagtttc aacgctaate agtgggtgcta tacatgaaga catcatagga 360
aatattaatg aagagccaaa tgcataagca aaggcattct ttaatctatt aacagaggca 420
aag 423

<210> 24382

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C8

<400> 24382

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccgca catatgtgca 60
gatggaacta caatactctc caagaggtag agcttcatgt atcagcattt aggaccttct 120
tggacatagc tggtgacaac ttaagtggca agatttttac tgaggcattt gatgcggact 180
gcttccccct tacactcttc tcaagtttat ttgaacctgg atggctcttct gggagttcag 240
cagtctccat taagggcctt ttatcattgc tgggtggaagg aggcgctgac aatgtaaate 300
agtgttttct tgaagcagcg cgctttggaa gtactgaact tgtacgcatt ctgctgaagg 360
tcgcatatca aaatagcttg gctgtggaca ccgatctggc tctgggtgat g 411

<210> 24383

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C9

<400> 24383

aatatcctct tgtttgaaga tgataggaat cgggcggatt ccctgatcga tctcaggggtg 60

tgggtggtggg tgattggtgg ccaggggttg aggcgcgatg cacaacggcg gggcgccgtg 120
 ttcaccgcgc gcaagaggag agacgcgagg aaaggggcgg ctaggtcaca gtaatcttcc 180
 ggctctctct ggaaagccga aacaatcttg tttctgctta atccctatag agtggtgctt 240
 acaattatct atactccctt ctagtcttta tctaatagaga taaatcccct attttctctc 300
 taacaaatct tatctcctta atcttctaata ccttatcatc ttctaatacct tatctgcatg 360
 cctatgctgt tgcccggcgc ctatagtggc ggtcgatcat aacagaagac tttaaggcaa 420
 a 421

<210> 24384
 <211> 423
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-D10

<400> 24384
 aggaaggcca ccacgatcgt ggaggagtac ttctccacgg acgacgtcgc cgcgacggcg 60
 agcgagctgc gggagctccg cgtcccgctgc taccacttct acttcgtcaa gaagctggtc 120
 tccgtggcaa tggaccgcca cgacaggag aaggagaagg cggcggtgct gctgtcctcg 180
 ctctacggcg acgtcgtcga ccgcccgcag ctctgcaagg ctttctgcaa gctcaccgag 240
 tcctgcgacg acctgtccgt cgacacgccc gacgccgtcg acatcctcgc cgtgttcgtc 300
 gcccgcgccg tcgtcgacga catgctgccg ccggcggttc tggccacgca gagcgcgcg 360
 ctgccccacg ggtgcaaggg cgccaaggtc ctccgcaggg cggagaagag ctacctgtcc 420
 gtg 423

<210> 24385
 <211> 428
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-D11

<400> 24385
 cccacgcgta cgcccacgcg tccggctaca tgggtctcaa gaagaagtac atctacggca 60
 tggacgacga ctgcttcgtt gccaaaggacc catcaggcaa ggatatcaat gcccttgagc 120

agcacatcaa gaacctcctc agcccgtcca caccgttctt cttcaacacc ctgtacgacc 180
 cctaccgtga ggggtgctgac tttgtgctg gataccctt cagcctcagg gagggtgccc 240
 aactgctgt ctcccacggc ctgtggctga acatccctga ctatgatgca cccaccacgc 300
 tggtaagcc taaggagagg aacgaaaggt acgttgatgc tgtcatgaca atcctcaagg 360
 gaaccttggt ccccatgtgc ggcatagaacc ttgccttcga cagggatctc attggccctg 420
 ccatgtac 428

<210> 24386
 <211> 425
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D12

<400> 24386
 cgcttcaacg acggcgtgca cagggcgacg gcgacgcggt cgcggtccct ggcgagagg 60
 gcgcgggggc cctgcacggc gaccaacccc atcgaccagt gctggcggtg ccgccgcgac 120
 tgggcccgcg accgcaagcg cctggccagg tgcgccatgg gcttcggcca caggaccacc 180
 ggcgggctgg ccggcaagtt ctacgtggtg attgaccca gcgacgacgc cggcgacctc 240
 gtcaccccca ggaagggcac gctccggcac gccgtgacct gggcccgggc gctgtggatc 300
 accttcgcgc gcgacatggt gatcgagctc tgccaggagc tcatcgtgag cagcgacaag 360
 accatcgacg ggcgcgaggc gcatgtgcac atcgtgggag cgcagatcac gctgcagaac 420
 gtgcg 425

<210> 24387
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D2

<400> 24387
 ctaattccct cctcgagcca cgcattgcgt ctaacagcta atgcttcaact actagcacct 60
 ccagttcctg cactcgatcc cacatggggc aaatttccta ctatgctata caatatccca 120
 tctgtaccta tcaccatcta ggaccatctc gcacacacct gctgacctt taaatagcta 180

gatttttact gacccatttg atacggccac catgctcctt acactcttct caacttatat 240
gaacctcgat agtcttctct aagttcacca atctccatta aggaccattt atcattgctg 300
ttggaaccaa gcactcacia tgtacatcag tgttttcttt aaccatcgcg ctttgcaagt 360
actcaacttg tacacattct tctaaaacgt ccata 395

<210> 24388
<211> 424
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-D3
<400> 24388

accttgtagt gaggtgtcca tattgcaaga cgctgaatta cgcagtggag taccgcggcg 60
ggaagaccat ggaggagaag ggcgtagagc agcttgagga gcagagggtc atcgaggcgc 120
agatcaggat gcggcggcag gagctacagg acgatgcaga gcggatgaag aacaagcagg 180
ctgcgacgta gtagcatctg cacaagttga ttcttgcagt actgacgggtg catcaacagt 240
agctgcaagc agtccgcgag gcaacgatgc tctctcgtcc gaagtgcagc gttcggagtt 300
gatgttgagg aattctgaag ccttcaaaca gaggaggggc aataattttg atgtggatct 360
tgaagaagta atgcttatgg aggcaatttg gctctctgta caagatcagg aagctttggg 420
aaat 424

<210> 24389
<211> 416
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-D4
<400> 24389

ctgacgtcca gaggtaccg tgccctggta tacagcggcg accatgacct gctgggggcg 60
gatctgggca cccaggcctg ggtcaggctg ctcaacttcc gcgtcgtgga cgactggatg 120
gcgtggcatc tcggtggcca gtcagctgga ttacgatga ctgactcaaa caacatgaca 180
ttcgcgacta tcaagggcgc ctggcataca ggacctgagt acgagccgga gaggtgtttc 240
gccatgttca gccgctggat cctcaaccgg tcaacttaac ccataatgtac gtggatccat 300

cagtgaatga agagattcgt gtgtaaatct ttcttcacga aactactggc tatgagacgt 360
acgtggatgg aataaaatgc tggctatgaa cccttgacgc tgatgatata tatata 416

<210> 24390
<211> 265
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D5

<400> 24390

cccacgcgtc cgtttttaat gggaagcata cttttccatt caagtgaaat aagtgagggt 60
aaacttagta cgattacatc atgtctaact tatggaacag agataacagg gatactttct 120
tttgctcaaa cacgggaaat accttctaag cgagttacct aatcgccgcg acttcgtcag 180
tcacacacac acacacacac cagataatca caatgcaaga acgaggaaaa tgaacaaaac 240
atatcgtcga atgccttgac aaata 265

<210> 24391
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D6

<400> 24391

cccacgcgtc cgaacacact gaacccaata atccgatccc acagaaactt ttcgctggtc 60
cgttcgatcg atcgtgccc tgctgtttgc cagacaccat catcacccaa aaccatggcc 120
tgcaacctgt ctcaagtgcg caccgccgcc gcggcaaccg tcgcgccccg caccctcgc 180
cctgctgcgt ccgcgtccgt ctcttctcc gcgaggaagc cggcgggctg cagcctgcg 240
ctgcagcggc aggcgtgctg caagccgtct gtggcgccgt cgcgggcagt gttcgctgc 300
cgggccgctg cgtctcagag cgcggccgac ctgtcctccg gtggcaagaa gtcttacggc 360
gtgccagtga tcgtcatgat gccgtttgac ac 392

<210> 24392
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C2

<400> 24392

cccacgcgtc cggaggcctt cagcctcttc gacaaggacg gcgactgttg catcacggcc 60
agggagctcg gaactgtcat gcgatcactg ggtcagaacc caaccgaggc tgagctccag 120
gacatgatca acgaggtcga tgcggaccgt aacggcacca tcgacttacc ggagctcctt 180
aaactaatgg cccgcacgat gaaggacacc gactccgagg aggagctcaa cgaggcgttc 240
acggtgttcc acaaggacca gaactgcttc atctctgctg cagacctacg tcacgtgatg 300
accaacctat gcgagaagct gaccgtcgac gaagtctatg agatgatccg cgaggccaac 360
gtccatggct atagccacat caactacgag gagttcgtca aggtcatgat ggccaact 418

<210> 24393

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A6

<400> 24393

cgcacgcgtc cggcagattg taatgaatat gtgccgtgca cgtcagccta gtttgaaggt 60
tggcgtgcct caaattttgt aaagccaatg tgcttctccg ttgtatttct actcgtccta 120
ttttcccatg gaaaactcac gggaaacttt atctagctta gctctagttt ggaaactcaa 180
atcccttcgt ggatggaagg ggtttgaggg acaaattagt ttattttcat cttaatccct 240
tctaatcccc gggtgatttg agtttacaaa ctagccttta gagtaaagat ttaccacatt 300
ggcaatgaaa gatgatggcc tgtgaactag gtgaagattt actgcattgg tggtgataag 360
tgatagcctg accctgatga gtatagtaat tcgacgatgt aatgtgcata agtaac 416

<210> 24394

<211> 332

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A7

<400> 24394

cactcggcct gcggatggca gccttgccca tccgcctgac gccatggcgg aagctggcat 60

gagcggccttg cgacggacct cgtttgcgcg caagcgacac caataccaaa ttcaacgtct 120
gcgtcaggca catgcgggcg cggccggcat gcacgcagtg cactatgtgc cgactcgcg 180
gtgagggacg gcgctgctgg cgcggtctct agtggtggcg ctagccatac cttgcggggg 240
caggtagatc cattctacta acaaacaaaa tcataccaca caatttggtt gcgtagagga 300
atcggagcct gtcgcataag acagttcggc ta 332

<210> 24395
<211> 198
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A8

<400> 24395

tcgcccacac gttcgaaaaa aaaaaataat tatataaaaa aaaaaaaaaat aactaaaagg 60
aagatttata ctatatcgaa aaacctaaaa atccatacaa ataacactta tatctacttc 120
taactttata ttcatacata tatatcattt tttaatattt atttattata ttatttaatt 180
tactcttta taattttt 198

<210> 24396
<211> 177
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A9

<400> 24396

ccgacgcgtc cgcgggacgcg tggggaataa ctttactaat caaattctta ttgtgatgta 60
ttcctccaaa tgctgttcta cttccaacaa ggcaacaaca atctgatcct gactacaaac 120
aaaaccctaaa taaaaacaca cttaaccctaa taatccgatc ccacagaaac ttttctt 177

<210> 24397
<211> 173
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B1

<400> 24397

cgcacgcgta cgcatgcacc ctaaactcca ggctcgaaga ctgcctgcct gactcgggtgg 60
 ggagaggtct atcttccaaa gagccccgga gcactccctc gacttcagat gtctattctc 120
 aaaaccgctc taactacccc agtcagtga g cccctttataa tgcgccaac cag 173

<210> 24398
 <211> 424
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-B10
 <400> 24398

cgaccagcag gaggtacgag caagaccacc taggaggcct ctctctccct ctcccagacc 60
 acgcccgtag cgagagggag ggcggaagag gatgagcgcg tccagggtca taaagtgcgt 120
 cacggtcggg gacggcgccg tcggcaagac ctgcatgctc atctcctaca ccttcaacac 180
 cttccccacc gactatgttc cgacagtgtt tgataacttc agtgccaacg ttgtggttga 240
 tggtaacact gtcaaccttg gcctctggga cactgcaggt caagaggatt acaacagact 300
 gagaccactg agctatcgtg gagctgatgt ttttcttctg gctttctcac tgatcagtaa 360
 ggccagctat gagaatgttt cgaagaaatg gatacctgaa ctgaagcatt atgcacctgg 420
 tgtg 424

<210> 24399
 <211> 177
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-B11
 <400> 24399

gacatacgta acttgaccct tgagttcgac aatctggact gccaaacgct tgatgcgatc 60
 acgtacgcgt gctgtacgat gtagcaagtc atgcgcctgc ctactacaa tgaaggacct 120
 ccctgataaa cagcgcctcac tcctttccgg cagtatcatg atctctgatg aggctgc 177

<210> 24400
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B12

<400> 24400

cccacgcgtc cggctctgcg ccggcgggga gctcttcgac cgaatcatcg ccaaggggaa 60
gtacacggag cgcgccgccg cgtccctgct ccgcaccatc gtggagatcg tgcacacctg 120
ccactccctg ggcgtcatcc accgcgacct caagcccgag aacttcctcc tcctcaacaa 180
ggacgagaaa gcgccgctca aggccactga cttcggcctg tccgtcttct tcaagcaagg 240
ggaggtgttc aaggacatcg tcggcagcgc gtactacatc gcgccggagg tgctcaagag 300
gaactatggc cccgaggcgg acatctggag catcggcgtc atcgtctaca tcctcctctg 360
cggagtcccg cccttctggg ccgaatccga acacggcatc ttcaactcca tcctgagggg 420
acaggg 426

<210> 24401

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B2

<400> 24401

gagacgcttc ctgctggacg ttaatccaca cgatttgact ctgagcttac aaatgcggga 60
ggctatatct gacaatgcag ccactatggt cctgtttata taccagagaa tactgacctg 120
acaagtgtgc tcaattgtct aggtaattac ctatgcctat ctaattcaat ttaagccact 180
gttatacctc tcaacttaaca taacactgct ttcacacttg actttactgg tttaggacta 240
tccggccatg attatgacag cttgaattgg catgagaaag aatacctcaa atgtgcattg 300
tcattgtcttc cggacaataa acacgtttac actat 335

<210> 24402

<211> 345

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B3

<400> 24402

cggacgcgtg ggcggacgcg tgggaagcaa agcaagtgtc tgctcactca gtctcgggtca 60

agagctcgct ctcgagaaaa aaaacgcggg aggcgataat ggagggaggt gccggtgcga 120
gcgagaaagg gaaggtgctg gtcacggggg cgtcgggctt cgtcgggtcc tggctcgta 180
tgaagtcctt ccaggccggc tacaccgtcc gggcgaccgt gcgcgatccc gcgaacgttg 240
ggaagacgaa gccattgatg gaccttcccc gagcaacgga gcgcctgtcc atatggaaag 300
ccgacctgtc ggaggaaggc agcttccacg acgccatcag gggct 345

<210> 24403

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B4

<400> 24403

cccacgcgtc cgcaccgtca ccgccatcgc tcgcccggat cgtcaacatg gcagccggcc 60
ggcgtgtcct catcgccgtc ctgcccgtcg tctcgggtctc tctccggcgc gccacggcga 120
ctacggcccc caccgtcgtc gacgaggcgt gcaagcagta caccaagtac ccggagctgt 180
gcgtaagtc cctgtcgtcc gcggcgccgg aggcgaatgc gaatgctgag cggggcgggc 240
tggcggggct ggccgggctg gcgctggcgc aagcggcgca gtgcggtgcc gagacgggtg 300
cgttcgtaa gggcctggag aaaatgccgg ggggcatgcc gaccgtgtgc ctgaacgagt 360
gcgtgtcaa gttccagggc gcgctggctg acctgcatcg ggccaagggtg gctgtgc 417

<210> 24404

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B5

<400> 24404

cattcatcgg tcaaagacaa aagatgattg ctgtgagcat catgtggtca ttagtgcagg 60
tgcagggtgt ggccggcgatg gcactagcat ttctggtagg cgggtgcctgg tgtggtcctc 120
ccaagggtcc cccgggtaag aacatcacag ccaactatgg tagtgattgg ctagatgcc 180
aggcaacatg gtatggcaag ccaacagggt ccggccccga cgacaatggg ggccgatgtg 240
ggtacaagga cgtgaacaag gcccctttca acagcatggg cgcatgtggc aacgtcccca 300

tcttcaagga tggcttaggt tgtggatcct gcttcgagat caagtgcgac aagccagcgg 360
 agtgctctgg caagcccgtg gtggtgtaca ttacagacat gaactacgag cccattgcgg 420
 cgtaccac 428

<210> 24405
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-B6
 <400> 24405

gcgacgcgca aggcgacgcc ttcacgtcct cctagatctg ctgcttctca tcaagacggg 60
 ctttgtcctg cccgtccatt ccgaggactg ctggggccgac acccgcgta tctgcaccaa 120
 gacgcacaac tgccgggacg acacttgccg gggggcgggc atgccggacg gccgctgcc 180
 ctgggagttc cccaacctgg tgccttctg ccagtgcctg cgccccaact gccactagtt 240
 cgggcgctc ggattggctc acttcgccgg cgatgatgga tgggtgccaa ctgcgactgc 300
 ccagtctgct ccattcgttg ttgtttaagg cataatatct aaactgccaa attcacatgt 360
 atcttgggat atttgatata atactatgaa atgactgtga atcgggtgttc 410

<210> 24406
 <211> 403
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-B7
 <400> 24406

cccacgcgtc cgccgcgtct ttccctcttt ttccaagcgg tcaaagccaa atcagggggc 60
 agcggcggcg gtaacgagaa cgagacgcgc gcgctagctg aatcaggagc agggcccagg 120
 gaggagagtg gagagccgcc ggcgagcagc aatgccttac tgcgaggtgg gcaggtacgc 180
 ggacggcgac aagtgggagg gcgtccgcct cttctaccgc cgctacggca gcggcgccac 240
 caaggtgctc ctgcgtcatc gattggcggg gacgcacgac tcgtggggcc cgcagataaa 300
 ggggctgacc gggtcgctgg agccctccga cgacgaggcc ctgcggccgg acgaggaggc 360
 cggcgtcggc gcggcggagg ccgcgccggc ggaagcggac gac 403

<210> 24407
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B8

<400> 24407

```
catgaagtga gattttatgg cagaaagctt cattatttgg agcaaagaaa atataagggc 60
caaagagcat ttaccaaaca tattgcgaca agctctaatt tgcaaaacac ctggatttgg 120
aatgttttca tttgctcatg tttcacttat tctagctcct gatagaagta aactgtctag 180
acgacatgga gctacttctg tggggcaggt tacttaccga ttgtttccta tcttaaaact 240
ctaccaacat atcttgtttt attcaaggca taagaatgaa ccatgatgta tttttcgctg 300
cacaatataa agaaatgggc tatcagcctc aggcaatgga gatttattta gcactactgg 360
gctaggggtga tgggtactgaa aatgagttct tcaactattga tgacctagtt ttgttcttaa 420
t 421
```

<210> 24408
 <211> 265
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C1

<400> 24408

```
tccaacgttc gtccacgcgt tcaagagcag tgatccatcc atcctatccc ccgtgcgaag 60
ccctaccag ctatgagcat cccgacgacg actcctctc gcctcatccg acgccataac 120
acctcttctt gttcgcaccc cttctcacta cgactaccct accaagcgct caacctggtc 180
gcaacttctc cacactctct cggcgctgct atgacctgtt cttcctgtct gcataacgtg 240
tgacacaacca ccatctgcta cgtca 265
```

<210> 24409
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C10

<400> 24409

cccacgcgtc cgcccacgcg tccgcggacg cgtgggagga aggaatctgc tgagagggca 60
atggtggcct ataaggctgc tcaggacatt gctctggctg agctggcacc tacccatccg 120
ataaggctgg gacttgcctc taatTTTTca gtgttctatt atgagattct gaactcccca 180
gacaaagctt gcaacctggc aaagcaggcg ttgatgaag ctatctctga gttagacagc 240
cttggtgagg agtcatacaa ggatagcact ctgatcatgc aactcctgag ggataacttg 300
accctttgga catccgacct cacggaggat ggtgctgatg agggcaaaga tgccccgaaa 360
ggcgatgcat gcgatggaca gtaatctttg gaggggggtg c 401

<210> 24410

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C11

<400> 24410

cggacgcgtg ggtgctatag ctatggaagg ccctcaaattg tgggctgctg gttggcgaaa 60
ggctcttgca gaagttggac ccaatgttgt ctggtggatt gctgcacaga gcgtgttcta 120
ccacttatat aaccaggtgt cctacatgtc tctcgatcag atttctccat tgacattcag 180
cattggcaat acaatgaagc gtatatcagt gattgtttca tcaatcatta tcttccacac 240
tctgtccgc gctgtcaatg cactgggagc tgccattgcc atccttggca cattcctgta 300
ctctcaggca aagggtgtgag gcgggccatg atgactaacg tctgcagaat cagtagcaag 360
cactaaatcc aattttgctt gttccagtgg catgtaaata tcgggtt 407

<210> 24411

<211> 445

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-008-Q1-K1-G8

<400> 24411

ctgtggtgcc cgagagtagc agcaacatga atcaagacct gcagaacgag gagtcagcgg 60
caacttctga tgtgaaatct gtgctgccaa agttctcaca gatcaatttg cttcacaatg 120

acctgggcct gcctgatgat gataagtcag cggggacttc tattgcaaat tgatctttca 180
tatcaaggcg ctccgtttga cccgagttag tgggttatgg tgtacatact agttgcaccc 240
agaagtagaa gtgtggcttg gaaggtcaaa gcagcggaag caactgtccc atttccgttt 300
gccggaccag ttaactgttt ctggtggtta tctgactnt gaaatcccct gttcagctcc 360
ttttgggccg aatagttagg gatttctggt ggggggtgtc atgagttttt acatctagtt 420
cgctctttaa gactgagttg tactt 445

<210> 24412

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G9

<400> 24412

gccaggatca gctccatccc gcaggatgcg acgccgtttc cgtaccggca gggcgtgcgg 60
ttcagacatc cagtacgtca gctactggtt cggcgagggc gacggagcgg cgccgacgca 120
gtggagcagg gacatgtacg cgttcatgga gccgtacgtc agcaagaacc ctaggcaggc 180
gtacgccaac tacagggacc tcgaccttgg cgtcaacgag gtggtcggcg acgtcttcac 240
ctacgacagc ggcagggctt ggggcgagaa gtactacaat ggcaacttcg ataggctcgc 300
caggaccaag gccaaaggtg acccctgcga ctacttcaag aacgagcaga gcatcccgac 360
attgctcaag tgatcgatga taccggggcc catacagatc ctt 403

<210> 24413

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H10

<400> 24413

cgccacgcg tccggcacta ctgggcttcc gtgacgtaca ccgcggtgcc cctcttctc 60
atggccgtgc tgtgggtcgt cggcttcggc atcgtgatgc tcgtcatctc ctgctgctgc 120
tgctgcttct gccggggcaa gaacgacgcc tactcgccgg ggtgctacct cagctccctg 180
gtgctcctca tcatcttcac catggccaca atcgccgggt gcctgatctt gcacggcggc 240

agcgacctgt tccacgggag caccatcagg accgtcgagt acgtcttcgg gcagggcaac 300
ctgacggtgg accacctgag gaacttcgcc gacagcttgg cggcggcgaa ggacatcacg 360
atcaaccaga tcttactccc ggccgatgtc cagcagaaga tcgacgtcat cgaggagaag 420
ctcaac 426

<210> 24414
<211> 306
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H11

<400> 24414

ctaccaagcc atcagctcgc ggggccacca cacctacatg ctgcagactg ccgagctggt 60
gcacgagtcg tcgacggacg cggcggcgtc gctgctggtg acggcgctga acgaggggag 120
ggacgtgata ctggacggca ccctgtcgtg ggagccgttc gtgcggcaga ccatcgcgat 180
ggcgcggtcc gtgcaccggc agcgtaccg catgggggtc ggctacaagg tcgcgcccga 240
cggcacgacc acggagaagt actggtagcc cgtagaggag gactgctagc agcaggcagg 300
aagggc 306

<210> 24415
<211> 384
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H2

<400> 24415

gattcctgta atggaaacca tggtcgatgc ggattcagaa ccaaaaaatc gtaagcttga 60
agaatttgac actaaggcaa atagaaacat gggaatgatt gacgaagaat cagatgatga 120
cgatgattat caagttcctg aagctaatat agaggaagac gtgaacaaat ctcatcatga 180
tatcaagcgc acagatgagc ctacagaaaa aattgattta tcttgttttt tgagtattct 240
tcatcgtgat cccgaggaga aaagtcgcaa ttgttggaac gtacctgata gcaagatctt 300
caaagttcgt agcaaaaact tcccacaaga caaatcaaag atacctgcag caagttatct 360
catggagctt gcagccattg actg 384

<210> 24416
<211> 376
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H3

<400> 24416

gcgtgagcat cagcatcatg gagggaacac agctggaaaa ttggcaactc agcataatgt 60
agaactgaac atattggctg aagatacaga cagaagccaa gtagaattga agggaggagt 120
cttagatddd atggcaggct catcagacaa caagcaaatt gtaccttatg gcactatgtc 180
taatgatgaa tcaagtgtta tttttggtgc cttacatagg cttcgctgtg cccgctcaga 240
tatcttaaga tggctgagat caccgatcat gcacactacg ttagatggct tttttgtccg 300
actgcgattdt ggtaaattggg aggaagcatt ggggtggcaca ggataccatg gttgccgcct 360
gaatggagca cttgat 376

<210> 24417
<211> 168
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H4

<400> 24417

atcaaatgcy tgcggcaaac gcatggaatg tgcttgcta gctagctaatt tgttgtttgt 60
tttgtcttta cttttcttca tacctgtctc tctctctcgg ttgtttaatt tttcttcatg 120
catgtaatat aatgtgatat acccaatata tacaacgcgc tttaattc 168

<210> 24418
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H5

<400> 24418

cccacgcgtc cgcggacgcg tgggtgcaag tggaaggaga ctctttgtag atacctatga 60
tcgcaagact aaagaaacca aggttggcat actgcaggctg gcacctgaag ttgctcaatg 120

gcttgaagg gaactaggtt acaagagtta tgacattgaa gataatacta atttgctgta 180
ctggcctctt gtgaatgtct attttgggtgc tgcttatgca aaatggctct tctcttgtga 240
tgacagacaa agaactgaag aatttgttgt tagagcatat aaaggcggca aaaagaaggc 300
tgctcacaaa tcaacttgcc ccattctcca gcgttatctt tatgtgaaag agaacctgtt 360
gtctataaga caaccagaaa ttgcatga cctcgctcct gatcaagaaa aactggcaag 420
cgcagaatca cagttgatat attg 444

<210> 24419

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H6

<400> 24419

cgcattctcc tccgtgatcc aagttctagc agcgcagcgc tcggtttcga caatatgtcg 60
gggcgcggca agggcggcaa gggctctggc aagggcggcg ccaagcgcca ccgcaaggtc 120
ctgcgcgaca atatccaggg catcaccaag ccggcgatcc ggaggctggc taggaggggc 180
ggcgtcaagc gcattctcgg gctcatctac gaggagaccc gcggtgtgct caagatcttt 240
ctggagaacg tcattcgtga cgccgtcacc tacaccgagc acgctcggcg caagaccgtc 300
accgccatgg atgtcgtcta cgcgctcaag cgacagggcc gtaccctcta cggcttcggc 360
ggctaggtcg cttt 374

<210> 24420

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H8

<400> 24420

ggtagatttg gcacaccatt acccttccca aaacccatgc atgtggctcg gggtaaacct 60
attgaagtca ataagattcc ccattctaca attgacgagg taggtttctg gatttaatca 120
aaaccacttt tttagagaaa acatttttgt aggctcatat tgttctcatg ctgcgtaatt 180
tttggaaattg gtccgaagtc caaacataaa caaacctaataaaaagtata tccatgaatt 240

tgaggtattg aataaaataa tacgcttggt cttgcacaag aatgccataa tgtttcttat 300
 cttattgtaa tgaaaagctc ggtttgatat tattgagctg ttcaagtttt ttgaaaggaa 360
 ca 362

<210> 24421
 <211> 254
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H9

<400> 24421

aattctccga atcgacgcac gcagtccagc ccacgcgtcc agccgaccca tgatcgctat 60
 cggcatccct tcattatattt ttcaacttttg tatattggta tcttgccaat agtttaaatga 120
 attcttttct tatcattaac cattatataa tgtatttaca cccaaattca actcattact 180
 caataaagta tcttatcatc caataataac tataccacac attgaatata atcatgtcac 240
 tgctgtaca attc 254

<210> 24422
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A11

<400> 24422

cggacgcgtg gggtcgacca acctgcggca gtaccacaag aactaccagc gggacgggtg 60
 gagccgcgtg ctggggctgc tccgcgacga cggcgtgctg acggtgaagg gccacgtgca 120
 gaagccggtg ctcaaggagc ggttcaagca gttcaacgcc gccatggacg agatccaccg 180
 gacgcagggc gcatgggtcg tcagcgacga gcagctgcag tcggagctgc gcgtctccat 240
 cgccgccgtc gtctgtccgg cctaccgctc ctctctcggc cgcttcgcgc agcacttcag 300
 cgccgggaga cagacggaga agtacgtcaa gctcagcgct gaggacgtgg agaccatcat 360
 cgacgagctc ttcgacggca acgccacg 388

<210> 24423
 <211> 390

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-A2

 <400> 24423

 gggaaggcca ggactgtggt cctgcgctac acggtgatgt ggcgcgactg gagcccggcg 60
 ggggtgctgc ccgtgcggat ctacatcttc gacgtggccg gctgcggcgt ggaatacgac 120
 gtggaggagc aatgcagcgg cggcgcgggc ggcgagtgcg tgcacgttaa gacggccact 180
 caagcgctgc cactgggagg cgacttggtg ttccggcgtgg cgcaccagca cgcgggcagc 240
 gccagcgctg cgctgcacag cgacaacagc cgctgctgt gctagtccgc ggccacatac 300
 gggggcggtc aataggccat ggacaaagct gtctacatcg tcagcatgtc cacgtgctac 360
 ccgcgctccc acgccatcac agtgctcgac 390

<210> 24424
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-A3

 <400> 24424

 catcgatcac gacaagatgg cgtgcacaga caatgcgatg agagccttgt tcctccgggt 60
 gctcttctgc atcgtgcatg tgagaaggaa gagtcaaagg gcatcgatgc gaaagcgccc 120
 gggcctggtg ggttcttcga catcaccaag ttgggcgcct ccggcaatgg caagacagac 180
 agcacgaagg ctgtgcagga ggcatgggca tcggcgtgcg gcggcactgg gaagcagaca 240
 atcctcatat ccaagggcga cttccttgct ggacaactca acttcacagg cccttgcaag 300
 ggcgacgtga ccatccaggt ggatggcaat ctgctggcga ccacggacct aagccagtac 360
 aaggaacatg ggaattggat cgagattcta cgcgtggata acctggcat caccggcaag 420
 ggaaaccttg a 431

<210> 24425
 <211> 385
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-A4

<400> 24425

```

cccacgcgtc cgcccacgcg tccgccgacg cgtgggagga acgaatctgc tgatagggcg 60
gtggtggcct ataaggctgc tcaagacatt gatctggctg agctcgcacc taccatccg 120
ataaggctgg gacttgctct taatctttca gagctctatt atgagactct gaactcccca 180
gacaaagctt gcaacctggc aaagcaggcg tttgatgaag ctatctctga gttacacagc 240
cctggagagg agtcatacaa ggatagcact ctgatcatgc aactactgag ggataacttg 300
accctttgga catccgacct cacggaggat agtgctgac agggcaaaga tgccccgaaa 360
ggc gatgcat gctacggaca gttat 385

```

<210> 24426
 <211> 283
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F11

<400> 24426

```

cgcactcttg ctacacacga gactgctgtt ctcatgagc tcattctacg acatctgcgt 60
tatcgtaa aa cagatgtgtc cggacattca aactccgtac cttacaattt cttgcgctcg 120
gatcggtccc ttaagtcggg acctatcac caaaaggagg accggtgccc catttccaac 180
ctacagaatg tgtaaataca ccttgaactt acatgtattt cacttgcgcc ccaatgctag 240
tacttatoct acacctgtca tgtcatttca caaacattga cta 283

```

<210> 24427
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F2

<400> 24427

```

cgcccaaggg ccgcgtcctc gcgcgcggcg cggcggggcac ggcgttctcg ggcaccggcg 60
gggtcgagcc cggcgacggc gccggggaca acggcgggcg tggcacgagc ggcgcgtgca 120
gggcggccag cggccgggttc ttgggggtgg tggctgctgc tgccggctctg gccgttttgg 180
ttgctgcctg acttgagtag cgatggtttg aaggcattcg tcatttggaa cgactgttct 240

```

gcttatgtat gtgtctgtat ttaaattcat catttaatgg tgatttttgt tcgatgotta 300
 ggctatcgaa ccctaaattt ctactctaaa aggaatattt catcttggtc 350

<210> 24428
 <211> 363
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F3

<400> 24428

gacgaaacgg tcgacatggc tcgcacgcaa tctgccgtag cggtcgccgt ggtggccgcg 60
 gtgctgtctgc tggcagcggc ggcgacgacc tcggaggccg ccatcacctg cgggcagggtg 120
 agctccgcca tcgcgccctg cctctectac gcccgcgga cggggtcggg cccctccgcg 180
 tcctgctgta gcggcgctcag gaacctcaag agcgccgcca gcaccgccg cgacaggcgc 240
 gccgcctgca actgcctcaa gaacgccgcc agggggcgta gcggcctcaa cgccggcaac 300
 gccggcagca tccccctcaa gtgcggcgctc agcattccct acaccatcag caccttcacc 360
 gac 363

<210> 24429
 <211> 300
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F5

<400> 24429

accacgcgta cgccctacgc atccgaccac gcgtacgccc acgcgtcctc ccacgcgtgc 60
 ggtacaattc atccgatgtt ttacagcttt aaaaacaaaa taaaataaaa acaaataaaa 120
 taaaaaaaaa aaacaataac tataatacaa acgaagaaca aaataacaaa acaatacaaa 180
 tactgctgta acggagataa ggaacctaaa gagcgccgta agcaccgtcg ccgacaggcg 240
 caccgcctgc aactggctca agaacgccga cagaggcgta aacggtctta acgcctgtaa 300

<210> 24430
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F6

<400> 24430

tgccttcaaa ttctgccgta gtagtagtta tcgccatctt tcttggtggt atcctcggcg 60
ccagccacgc ggtcacccgc gcccggtcgc gcaccatgat gatccggcag ccttcttcgt 120
cgtcctccgt cctgatgttc agggaggcgc ccgcgttccg gaacggcccc gactgcggcg 180
cggacggccg ggtggacatc gccatgacgc tggacgccaa ctacctcgc ggcaccatgg 240
ccgcggtgct gtccatcctg cagcacacgc cgtgccccga gagcgtagcg ttccacttcc 300
tcaccgccga cgccgacgc gacggccacg gcctctcgc cgcgctgcgc gcctcgtttc 360
cgttccttga ccttcgggtg taccgcttcg acccgctcgc cg 402

<210> 24431

<211> 346

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F7

<400> 24431

gcgacggaaa acatgagata gcacgcaatc tgacaaaacg aaaaaacgag aaagacgggg 60
aggggtgctgc tggcatcggg ggccacgacc tcggacgccg gcatcacctg cagtcagggtg 120
agcttcgcc a tcgcgactg cctctcctac gcccgggca cagagtccgg cccctgcgaa 180
tactgctgta ggggcgtcag gaacctcatg agcgccgaca gcaccgtcgc cgactggcgc 240
accgcctgca actgcctcaa gaacgccctc aggggcctaa gcggcctcaa cgacggcaac 300
ggcggcagca ttccgttcaa gtgcatgttc agcatccctc tcacca 346

<210> 24432

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F8

<400> 24432

cccacgcgtc cgggctcccc aaagatagca tagcagcagc actcacaata gcagaaacga 60
ccatccgtcg tcgccaaccg tagcaagaac atcaccaccg cccagcaata atggcgcaga 120

gcatgaggat tgtggcgctg gccctggtgg ccctgctggt ggtggcgggc gcggcgcccg 180
 tggccaccgc gtacggctgc tacgacgact gctacgagcg ctgcgccaac ggcaagaaag 240
 accccgcctg caccaagatg tgcaaccagg cgtgcggctc cacggatcag ggcgccggtg 300
 ccgcggcgcg cgcgccggct tgatcgccca ggcattcat cgcttcagct cgatataatc 360
 gctgctccgt cagcaaccca catatgattc gatcaatatt ctcctctaa tttctcgacc 420
 ccgtcgaatt ttttctctt ctattcttct actatactac tgctatatgg gt 472

<210> 24433
 <211> 75
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G1

<400> 24433
 tcgaaacaat cctaataaaa caaaaataaa acacaaatta caatataaaa acaacaaaaa 60
 gaacaaaaaa caaaa 75

<210> 24434
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G10

<400> 24434
 cccacgcgtc cgcgagcgcg tgggagaaca acctaccccc acatgcagaa ggatccgggc 60
 ggccaccgag agtcactgga agaagctcgt ccggcgcccc gcgacgagac gacggcctcc 120
 tactccgctc cgctgaagaa cgacctcccc gctgacagcg ttggcgggcc ttgtagcgag 180
 gagggggtgc ggatgcgccg cgactgttcg cgggatgagc ttatgcggca gcagctccct 240
 cgcatcaggt gcgaagaggc cgttcgagta cgggagaacg catgttgtga ggcccaaggg 300
 ctgcacaag gccaccattg tctggctcca tggacttggg gacaatggag ccagctggtc 360
 tcaactactg gaaactactt acccttctaa tattaaatgg at 402

<210> 24435
 <211> 361

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-G11

 <400> 24435

 ctgatgactg gacatgaaag gaatgaactt gaaggcgcaa aacatagctc agtgaccggg 60
 gagatggctg atatgacaac ttactatcaa tgtgctgtta ttgatgaaat tcacatggtt 120
 ggctgctaata gacgggggtta ttcgctcaca catgcacttg tgggacttcg ttcatatgaa 180
 cttcatgact gaggtgacca cacctgatcg acctcttata cagcaaattc tcgaagctac 240
 tggatgatgta gataccgata aatattatga gagactatct actgtggatc ctctgaacat 300
 ctactagggt tgtttctgta acatcacagc atgagattgc ttattatgat tctcaatacg 360
 t 361

<210> 24436
 <211> 361
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-G12

 <400> 24436

 aggcaagaa gaccaaccaa agcaaagcca acgggatctc cctctcattc cagaggacgc 60
 cgctgcgcca ggcccgttc gcgtgacgac ccggcatata gggtttcgcc ggcgccggcg 120
 atggaccac cctccgtgag ccccgatcgc tgggggcccc gtcagggcgc tggcgtcggg 180
 ccctccggcc tccgcgata tggcctcaat ttctccgcct ccagcctcct ccaggcccc 240
 atcgcgccc tccttgagta ctccggcgta gtccagtccg gccctgccct ggcggcgcac 300
 caccgtccg cggggcccta gtcgcccgtt tcggcgtcgg aggtcgatgg tcttctctcc 360
 g 361

<210> 24437
 <211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-G2

 <400> 24437

cggacgcgtg ggcggacgcg tgggtgttgc ttcgatcgaa cgagtagttg gcctagagga 60
 gcgccgaagt ggccaacctg acgtcccgtt gcaagggact gaaggaggag ggtgtagccg 120
 accgcaagga ggcctgtcga ctgagggctg aggtccttgg tctgaaggca gaggcagacc 180
 accgtgagga ggtgctacgg tgggcgcagg agggcctcca agcggtgacg gaggaacgta 240
 actccctcgc caagtccttg gaggacgact ggtcctcggg tcaagccctg gccgccc aaa 300
 tagaaggctct tgagaagagt ctggagggca tggcttggac cgtggagcaa catggggccg 360
 aagcgggtggc aaacctcttt caagacctcg atgtgggggg ca 402

<210> 24438
 <211> 331
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G3

<400> 24438

gtcagggctc ggcgggcaac acgccagggc caggcaaaca gcagcgtaga gctgggcctg 60
 ggagagccc ccgagccgag cagttggttt ggtggcgcgc ctttactgcc gctgccgctc 120
 actttcccag ggaggggtta attgcctccg cgggcctcgc tctcgcgtcg cgtccttcgg 180
 atgccgcact gaccgccacc aagtcacgca gtcagccgc gcggcgcgat gggcgagagg 240
 aggaggcgtg cgagcactgc ttccctcggg ggtggaggtg gaggcggagc tggaggtagc 300
 ggtgttgccg ccgcgcggaa cgaggaggac a 331

<210> 24439
 <211> 118
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G4

<400> 24439

attcaaacag cagcgtagag ctgtgcggga ggttagccct cgtaccgagc agttagtttg 60
 aatactctcc tttactgccg ctgccgctca ctttcccatg gaagagttaa ttgcctcc 118

<210> 24440
 <211> 351

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-G5
 <400> 24440
 cggacgcgtg ggcggacgcg tgggcgctag cgagcgagag agacgcacat ctatgtgtcg 60
 agcgacgccg cggcctcgat cagagtcgga ggcgaacacc ctcatggcgg cggttggcgg 120
 cggcgcaaga gggaaggtat ccttcaagat catcctcacc tgcgaccca agtcccttt 180
 caaagtgttc agcgtgcccc aggcggcgcc ctttaccgcg gtgctcaagt acgccgcgga 240
 ggagttcaag gtcccgctcc ataccagctc catcatcacc aacgattgaa ttggcatcaa 300
 cccccagcaa agtgcattga acgtgtttct gaaacatgga tcggagctgc g 351

<210> 24441
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-F10
 <400> 24441
 cccaataaaa ataaagaaaa gttggcacag tgcaactcca agacagccct tgctttcaga 60
 gttcgggatg agtgctttca gccacacatt gacgatagaa gtggaattaa tgattcacia 120
 tggtgcatat aattgtggtt ctgatttcag tcgttttagac ttcagtgggt tctatgcatt 180
 tatcctggaa cgggggtgatg aagtaatagc tgcagcatct gtaaggattc atggaactga 240
 tttagcagaa atgccattca taggcacaag atgcatgtat aggcaccaag ggatgtgtcg 300
 tcgactactg aatggaattg aatcggccct cggttcctc agtgttcaga aactagtagt 360
 atctgctgtg actgaaatgg agaatacttg gacaacttgt tttggtttta 410

<210> 24442
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-D3
 <400> 24442
 cggacgcgtg ggcagctgtt ccgccgagcg aacgacccac aaccagaagc caccattgg 60

cgtagcgag gcgatcggag catcccgcc caagaggaga aactccggcc ggcgacgcgg 120
gggaaaatgg ggaagacgcc ggtgcggatg aaggcgggtg tgtacgcgct gtcgcccttc 180
cagcagaagg tgatgccggg gctgtggaag gacatcacca ccaagatcca ccacaaggtc 240
accgagaact ggatctccgc cacgtcctc ctcacccccg tcgtcggcac ctaccaatac 300
gccatgtggt acaaagagca tgagaagctt ttccacagat actaaatggg atgtccttca 360
agttgctgcg gggtgtcgca 380

<210> 24443
<211> 369
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-008-Q1-K1-D4
<400> 24443

gcgatgcaca agcagcagat accagccacc atgcgcctgt cctcctcct cgctcgcggg 60
gccggcctct cggcgcgcac cgcggcgcag ctgccgctgg cgggcggcgg cggcggcggc 120
ctgaagccgg acttctatag ccagtcgtgc ccgcgcgcgg agcggatcat tgcggagggtg 180
atgcagacga agcagatggc gaacccgacg acggccgcgg gcctgctccg cgtcttcttc 240
cacgactgct tcgtcagcgg gtgcgacgcg tcggtgctga tcgcgtccac ccagttccag 300
aagtcggagc acgactcgga gatcaaccac tcccttcccg gggacgcctt tgacgccgtg 360
gtgcgcgcc 369

<210> 24444
<211> 331
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-008-Q1-K1-D5
<400> 24444

cccacgcgtc cgcccacgcg tccgcccacc ttccctacac cgccgcgcgc gtcggacgca 60
gccgcatccg ccatgggggc gtacaagtat gtctcggagt tatggaggag gaagcaatcc 120
gacgtgatgc ggttcgtgca gcgcgtgcgc tgctgggagt acaggcagca gccggccatc 180
gtccgcctca caaggccac ccgccccgac aaggccccgac gactaggcta caaggccaag 240

caaggggtatg ttgtttaccg tgtccgtgtc aagcgtggcg gcaggaagag gcctgtgcct 300
aaggggtattg gctatggcaa gccaagcac c 331

<210> 24445
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D6

<400> 24445

aaggaacctg aagactcgtg ttattgggtg cccaaagact atcgatggag atctgaaatg 60
taaggaggta ccaacaagct ttggatttga tactgcttgc aagatatact ccgaaatgat 120
tggcaatggt atgactgatg caagatccac aggaaaatac taccactttg tgaggcttat 180
gggtcgtgct gcttctcaca ttacattgga atgcgctttg caaacacacc ccaatgctgc 240
actcattggg gaagagggtg ctgcgaagaa agaaaccctt aagaatgtca caaactacat 300
tactgatatc atctgcaagc gtgcagatct tggttacaac tatggtgtta tccttatacc 360
agaaagcctg attgatttca taccagaagt tcaaaaactc atcgcggaat tgaatgaaat 420
tttagcacat gatgttgttg 440

<210> 24446
<211> 340
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D7

<400> 24446

cccacgcgtc cgccacgcg tccgcccacg cgtccgcca cgcgccggc atacagcaga 60
gctatcatgc agatcaccat caattagggt gggtgagggt aagatgcat cctcaaagcg 120
ttgcaagtac agtgagccag ctggagggtt gtggtcctct tcaaataacg ttgctttgca 180
ggatatcgag ggatcgagca gtcagcacat acctcatgaa tatggcgatg gcatccagcc 240
aagtgttgtg caaacgtac aataagtgc acatggaaca attctagata acattccgga 300
aaacaacagt actgatgaac acactagaga aaattctggg 340

<210> 24447
<211> 307
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D8

<400> 24447

```
cccacgcgtc cgcttcgcc caagcacctc gtgtcgctca tcggctgctg cgaggacgag 60
ggcgagatgg tcctcgtgta cgactacatg ggcgcaggca cgctgcggga gcacctgtac 120
aagagcggga agccggcgct gacgtggcgg cagcgccttg agatcaccat cggcgccgcg 180
cggggcctgc actacctgca caccggcgcc aagtacacca ttattcaccg ggacgtgaag 240
acgaccaaga tactggtgga cgagaactga gtggctaagg ttgcgactt tgacttgtcc 300
aagaccg 307
```

<210> 24448
<211> 308
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E1

<400> 24448

```
ggagaagatg acccagatca tggtcgagac cttcaacacc cccgctatgt acgtcgccgg 60
gcaggccgtg ctctctctgt atgccagtgg ccgtaccaca ggtatcgtgc tcgactcggg 120
agatggtgtg agccacaccg tccccatcta cgaggggatac gccctcccc acgccatcct 180
tcgtcttgac ctggccggtc ggcacctcac cgactacctg atgaagatcc tgactgagcg 240
cggctactgc ttcaccacca ccgctgaacg ggaaatcgtg agggacatta aggagaatct 300
cgctaca 308
```

<210> 24449
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E10

<400> 24449

```
caactttctg agagtatgct gtgacgatag tggctaggct gatgctgctg ccgaggctgc 60
```

tgcataatgtt ggcaccacaa catctcgggg tggccttggt tatggggaga ctgatgcttt 120
ggaggcattg gtgggtgagg cagccaagag gattgatcga catttgagga atctgtttga 180
atgccttcgc caatcctgat tttatttgac tcttggtcga cgtgtcactg tgccagcgcg 240
atcaatatta gtagttcctc ttcattctcg gcaaattgat gcttctgttt ggggtgatga 300
tgctgaccat tataatcctc atcgggtcct taaaaggac attgatcttg gagaaatatt 360
aggagcacct aaaggatcaa ctacgataaa tatttttcagt ggggtgacca agggcgaatc 420
a 421

<210> 24450
<211> 382
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-008-Q1-K1-E11

<400> 24450
cccacgcgtc cgcccacgcg tccgcccacg cgtccgccc cgcgtccgcg acgctggagg 60
agctgaagaa cgacccgcgc acgtcgggcg cgctccacga ctgcaaggag atgctggggg 120
acgccatcga cgagctcaag tcgtccttcg acaagctggg cggcttcgag atgaccaact 180
tcaacaaggc cgtggacgac ctcaagacgt ggctcagcgc cgcgctcacg taccaggaca 240
cctgcctgga cggcttcgcg aacgccacca ccaccgaggc ctccgccaag atgcagaagg 300
cgctcaacgc gtcgcaggag ctgacggagg acatcctggc ggggggtggac cagttctncg 360
acacgctggg agggctcagc at 382

<210> 24451
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E12

<400> 24451
gcagatcacc gtcgccttca accacttcgg cagaggcctc gtgcagagga tgccaagggg 60
ccgctggggc ttcttccacg tgggtcaaaa cgactacacg cactgggtca tgtacgccat 120

cggcggcagc aaggccccca ccatcatcag ccagggcaac cgctacatcg cgccgccccaa 180
 ccttgccgcg aagcagggtca ccaagcagca tgacacgccg gagtccgtgt ggaagaactg 240
 ggtgtggcac tccgagaacg acctcttcat ggagggcgcc tacttcaccg tcaccggcgg 300
 ccagatcaac agacagttca acaagaagga cctcatcaag cccaggaacg ggtcctacgt 360
 caccaggctc acgcgctacg ccggcttctt cg 392

<210> 24452
 <211> 348
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-E2

 <400> 24452

gaggattgct accatcctat atcatatcat acatatacac aaggaggagg agaaggtgtg 60
 tagcgagggt gaggtccgga ggatgccttc cagtgccatg agttccgggc tggagccggt 120
 gctctgcgcg cctcggccgc gcaggggtcca gcagctgcac ccctgcagcg ccgacctcat 180
 ccttggcgca ccgcccttcc cgcgcaacgc caacagcaag gccagcggca gcagcagcag 240
 ggaaggaggc aggaagacga ccaggccggc ggcggaggac gaggacgagg acgaggactg 300
 ccgctgggcg gcgttcggcg ggtcgccgcc ggcgcgcgcg gacaaccc 348

<210> 24453
 <211> 396
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-E4

 <400> 24453

cccacgcgtc cgggggggaca ggaaatcagc ggccatggcc tcgattccgg cgacgaccgg 60
 cgccgtcatt ttatccgtcc tcttctgtgc cgcgggtggc accgccgtcg acaacgacct 120
 ccccgactac gtcattcagg gccgcgtcta ctgcgacacc tgccgcgccg ggttcgtgac 180
 caatgtcacc gagtacatcg cgggcgcccc ggtgaggctg gagtgcaagc acttcggcac 240
 cggcaagctc gagcgtcca tcgacggggt gaccgacgcg aacggcacgt acacgatcga 300
 gctcaaggac agccacgagg aggacatctg cgagggtggc ttggtggaga gcccgcgcaa 360

ggactgcgac caggtgcatg cggacagggga ccgcg

396

<210> 24454

<211> 240

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E7

<400> 24454

acaacgccga tgcggacgcc atacacgacc taaccagcgc catacggggg cgcgcccca 60

cgagcagatg tcgaagacgg ccgagttcga ggtcttcaat gttgatgacc tgatgaactg 120

ggcacgtaag ggctcgattt ggcccatgac ctttgggctc aaatgctgcg cggtcgaaat 180

gatacacgcc ggcgcgttca gctacgactt ccaccgggtc ggagtcattt tacggccctc 240

<210> 24455

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E8

<400> 24455

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcggg ttccaggaca cgctgtacgc 60

gcaactccaag gcgcagttct accgcaactg catcatctcc ggcaccgtgg acttcatctt 120

cggcgacgcg gcggcggtgt tccagaactg catcctggtg ctgcgccgcc cgatggacaa 180

ccagcagaac atcgcgaccg cgcagggccg cgcggacgcg cgcgaggcca cggggttcgt 240

gctccagaag tgcgagttcc aggccgaggc cgcgctccgg gactgcgggc gcccgcccat 300

ccgcaactac ctgggcccgc cgtggcgcga gtgctcgcgc accatcgtca tggagtcgga 360

gctcccggaa cttatcgaca aggcggggta cttgccctgg aac 403

<210> 24456

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E9

<400> 24456

tgagaaatgc cgtcctctac accaccatca gtacaacca ctccaagcct tcagacattg 60
 gcatgtcctg cagtagccca gaatactcat attgatgtta gtgagatcaa gtccaagatt 120
 ttttaagagga taggacatga acgaggaaat aaatactttc agcacctgga aaggttctta 180
 tcttcaagat tgagcaagaa tgaattcgag aagctctgtc ttgtggcact tggccgtgaa 240
 aacctcccat tgcacaacca ctttatctgt tccattctac ataatgccag tcgagcttgt 300
 ggccacctg taattaatga ccctaagctg gtcagaggtg ccaccacttc tggccatgca 360
 gttgttcttc ctgtctggga caatggtggt gccttgaacc t 401

<210> 24457

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F1

<400> 24457

gcgtaaaggg catttgagtg ggcattgattg gaggaacttt catgcagacg gctatcttag 60
 tgtggggccac cttgagaact gattggaaca aagaggtaga ggaagcacag aaaaggctac 120
 acaaattggga ggatcagaag acgacgacga caacgacgga gcccctcctt gcggggggtcg 180
 tcggcaatgg caatgccaat tagtttactg gatggacatc attctcccag acggcttcac 240
 cagcgtcacc gtcaggatat ggacctgca aagtgtttct ccggagtgtt taagttttct 300
 ttcccgatc aaaatttgcg aaacagagaa ggaagggttt ttttttgaa aacagaactg 360
 acgtctatct tttgagtgtg agaaattcga gcatacatgt ggattttttt taaaaaaaaa 420
 aaaata 426

<210> 24458

<211> 156

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D2

<400> 24458

ctgacgcgtg ggaaaaaaaa aaaaaaatta aattaaanaa aaaaaaaaaa aacaaacacg 60
 ctagggtatc caagcatcac atacacattc aaacaacatc ataattcata ttttgcttct 120

acctaaattc actacactgt ccttcattct acatcc

156

<210> 24459

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B6

<400> 24459

caaaactcct aattacctcc tgtagggatc cctcatgcgt gtgttttctt ctggctgttg 60
tatctgatgc tcaaagtaga tgctccgtgt gtcttccgct gctgttccgc aaggaaactg 120
actccccga cgcgcgtcgt gatgctgcc gctcatgctc ctagacggga atgactgccg 180
cagaatgacg aatagggctg gtgtgtgtta cagtatggtc cttttccct cttttccatt 240
aagctctgtg atgtagctgt ccgtgctgtt gattcatgag atcatgctag agatttttcc 300
tggcagtgcg tgtaaaactg tcgaactatt tgaacgaaag ttgtacactg caatatgtaa 360
caatctcct 369

<210> 24460

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B7

<400> 24460

aggaagggtg ttgccatcaa ctttgtgacc cgcgacgacg agcggatgct gttcgacatc 60
cagaagttct acaacgtgtt gattgaggag ctgcctgcc aacgtcgtga ctttctgtga 120
tcattttgaa gaaaaacaga actaaaagaa cggtggtggg ggtgatctgg taaggcttgg 180
ttttgccgaa atattgtggg ggaggagtga taaggctcgt ggggtttcta tgttaaagtc 240
gtggtctcgg gcaatatgcg atttttcttt atgccatggt ttgggaaatt ttgtagctgc 300
ctaggcctcg tgctgttgtg gtggttcatt agtatgaaga cgaaagctct gctggctatg 360
ggagtccttt ttctttttga tagtattttg tttaaaacta tgtatgaccg aattatttgt 420
catccttgac tcaattctgc tgc 443

<210> 24461

<211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B8

 <400> 24461

 atccaaacaa cgacaccaac gccaacatta attaattagt agtctccatg ccctgggatt 60
 gtgcgtggcc gctccgttaa acaccacca tccttcgttc ggcatttttt ccccttggtt 120
 tatataattt tattgtatcg ttttggcaaa taattttgtg attcgacccc aaagcaagtt 180
 tggttgtctt acgatttgta aacctggaac aatatataat gtgattgaac tgctttgtct 240

<210> 24462
 <211> 432
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-008-Q1-K1-B9

 <400> 24462

 agagtatgta aaccagttg cctgtgcagt ggcaatagaa gctttgaaac ttaccggga 60
 aagggatatt cctgggtcatg tcaagcaaat cgctccaaag ttccaggacg gaattagggc 120
 gttggcagac agcccaatca tcggggagat acgtggctta gggatgatta tgggaaccga 180
 attaccaac aacaaatcac cgactgatct attccctgcc gaatgggggg ttggtgccat 240
 ctttggagag gagtgccaga agcgcgcat gctggtcagg gttgctggcg acgcatcat 300
 gatgtcgccc atgctgatca tgacgccccg gcgaggtcga cgagctggtg agcatctacg 360
 gggaagccct canggccacg gangagaggg tgtcagacct gaagatgaaa tccgagaaga 420
 actaaccaaa ag 432

<210> 24463
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-C1

 <400> 24463

 gggggacaac tgcacctgga ttaccttatg tcgaggaggc aattaccaat gctggtgact 60

ggttggttgg tggggacttg gaggttatag aaccaatcaa gtacaatgat ggtctagatc 120
 agtatcgctt gtctccagca cagctgcgtg aagagtttgc caggcgcaat gctgatgcag 180
 tatttgctt tcagcttcgc aatcctgtac acaatgggca tgctcttctt atgaccgaca 240
 cacgcaaacg tctccttgag atgggttata aaaaccctgt tcttctgctc catccactgg 300
 gaggattcac aaaagcagat gatgtgcctc ttagttggag aatgaagcaa catgagaagg 360
 ttcttgagga aagtgtcctt aaccagaat caactggtgg tgcgaacttt tc 412

<210> 24464

<211> 424

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-008-Q1-K1-C10

<400> 24464

gatgaggtcg aagaagacga gggaagcatg gacgacggca gcgccgaaga ggatgatggc 60
 gagctgtccg acggaggggc tctcggctcg ccgcggcgac gcgccttctc cgctccaggt 120
 attggacgta tggagataaa tgggggaaat ggagtgaggt caatccaaga ggggcagcaa 180
 tggcatttat gtaaccatgg aatcgagatt gggcgtccat caccaggagg ggatgaacct 240
 ggtaccatcc ccagagatgt gagagtggag aatgggcatg gagttgttgg aagaagagac 300
 gnggtcctg catccagcta ttgggacctg ttgagagcac acctctctga tcctttaaca 360
 ggtgttctca tggatgatgg cattgattta tcatgtggcc attcatatgg aagtagtga 420
 atgc 424

<210> 24465

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C11

<400> 24465

ctccctaggc cctagccaag ggaatagagg cctccctgga tccactacca cggaacacgg 60
 atcataactc tcacgcagat gctggagttc cattggagaa cattctttat cttggtggac 120

ctaataattgc ttctgaaatt tacaacaaag aatatgcaaa tgcacgtatt tgtggagctg 180
 acaaattggag aaaaaccctt gcaaaatttt tgaggcggcc tcattttatt gtgtgggata 240
 acagtgatct catcactcat gaagtcattg gcggtctaaa aaatgcctat gctggtgctg 300
 gtatgggttag ctgcattaac caacgagagt gcaaccagca aatccgttta ctttgcactt 360
 tgcacatctg agttgatcta catcacacac cttttggaag aagagcctga gaaacttggt 420
 ggtagagatg gcaatgggta 440

<210> 24466
 <211> 411
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-C2

<400> 24466
 gttccgaagg gttaagtga agtacgactc caaggtcacc ttccaccttg aaaagggggg 60
 cggcgccaac tacctggcgc tgctgggtcaa gtacgtcgat ggcgacgggtg acattgtggc 120
 agtggacgtc aaggagaagg gctctgacac gtacgagccc ctgaagcact cctggggcgc 180
 catctggagg aaggacagcg acaaaccgct taagggaccc ctaccgtcc gcctcactac 240
 cgagggaggc accaagtccg tctacgacga tgtcatccct gccaaactgga aggccaacac 300
 cgtctacacc ggcaaataat taactttagt gctgacaata ctttaagccg ggctatgcta 360
 gctatactag aattgtgtgg atcccaagca atgcattaca catgcattca t 411

<210> 24467
 <211> 388
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-C3

<400> 24467
 ctggtaaaag agcatcgatg gaggacttct atgaggcaag aatagacgac gttgatggag 60
 agaaaattgg aatgttcggt gtatatgatg gtcattggagg agtccgagca gctgagtatg 120
 ttaagcagca ctttttcagc aatttaatac aacacccaaa gttcatcact gataccaagg 180
 ctgctatcgc cgaaacttac aacctcacag attcagaatt tctgaaagct gatagctgtc 240

aaactcgaga tgctggctca actgcctcaa cagctattat tgtaggtgac cgtttgcttg 300
 ttgcaaattgt tggagattct agagccgtta tttctaaagg aagacaagcg attgcggttt 360
 caagggatca caaacctggt cagaccga 388

<210> 24468
 <211> 349
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-C4
 <400> 24468

gataccgggc cgtcgagcga gcagtctccc aattccaccc aataactaat aacatctcgg 60
 cgaacgccag gttccttgga ccactatata caggagcgac gaagtgatcc acccgccagc 120
 catggagatg aagaaggtcc tctgcgccgc cctcgtcgcc gccgcctcgg ccaccgccgt 180
 gctggcctcg gtcgcctcgg aggcgccctc cgaggcgccc gccggcgcgg ccggtgggtg 240
 ggctggccct agcgcaagcg gcgccgccgc cgtcgtcgtg cccgccgtcg gggcgctcgt 300
 cgctttcttc ctcggtact accttactg agcgacgacg cgcgggggcg 349

<210> 24469
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-C5
 <400> 24469

cggacgcgtg ggtgccgcag gtgtgggacg aggagggcgc ggccaagggc ggcgcggtga 60
 ccccgcgccc ggccgcggcc atgctgggct cgcctactgc gagagcggcg tgccccggga 120
 ccaggccagg ttccgcgtcg tcttctccca cggattcacc ggcttccgcg aggacagcgt 180
 ccgcgcctcc caggaagttg cggaggagct gggcgtgtac atggtggggt tcgaccgcgc 240
 cgggtacggg cagagcgacc ctaaccccaa ccggtccgtc aagagcgcgg cgctggacgt 300
 ggaggagctc gcggacgcgc tggggctcgt gcccgagttc tacgtcatcg gcattcttct 360
 cggctgccat gccgtctggg gcgcccctaa atacattccc gacaggatcg gc 412

<210> 24470

<211> 67
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-C7

 <400> 24470

 gttggactcc tatatataga ggccttcgga cacatataat atacgtcgga ccaatattat 60
 tgtgatac 67

<210> 24471
 <211> 344
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-C8

 <400> 24471

 cggacgcgtg ggcgatcgat tacagcaatg gcggccaagg tggttcctcct cctgcgacgc 60
 agcatggctg ccgtcgtcct ggctgccatc gccacagtag cgctcgcgga ggaagccgat 120
 ccgcgggcac tgccggcaca gtggaccacc gcgaagaagt acaaggccac gatggacgcc 180
 aagacgcggc aggcctttcga cggcgtgggtg gccgccgcta cggcagagaa gcggtcccag 240
 gcggtggagg ccgtgctgca gcagcagctg aacatggacg tgctccctgtc caaggcgacg 300
 tctttcgggg acgagaacaa ctacgtgagc gtgggcgtcg gcta 344

<210> 24472
 <211> 374
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-C9

 <400> 24472

 cccacgcgtg cgcgccaagg tcctggtcga ggaggacttc ctggccgctg agaaagaggg 60
 gtaggtgcag gtgcaggtgc aagcgctcga ggcggagctc cggcgagccg gccaggagaa 120
 cagactcctc atcgacatgc tccgagcggg ggtggccaag tacgcggagc tgcagggcca 180
 ggtcaacggc atggcggcgc cgggtgtccac ggcgggcaac atcgccgacg ccgccgacgc 240
 ctaccgccag ttctccgcgt cgatcgacga cagcggctgc gcgtacggct cgtcgtacat 300

gaagcggacg atccggaacg actgcctcaa caccgagccc tagcatcaca accgcaagcc 360
ggcgacgtcg tacg 374

<210> 24473
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D11

<400> 24473

gaacgtcgta cgagaacctt tctccctcct ccacctttct ccttttcttg ccacggcaga 60
acaccttcgc cggcgagagc atggcgatgg cgtaccgtgt cctggaggtc accctgggtgt 120
cggcaaataa cctcaagaaa gtgtcgtctt tctcccgac tcgcatctac gccgtggctt 180
ccatctccgg attcgacctc cgcattccctt cccacagcac ccaagcagac cacagcaacg 240
gctgcaaccc ctgctggaac gccgtggtac acttccccat cccggtgcc gctgacaccc 300
gcggcctcgc actccacgtg aggtcccgcg cccagcgtct atacctgggc gatcgcgaca 360
tcggcgaagt gtttgtgccc atcgacg 387

<210> 24474
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D12

<400> 24474

aattctccgg atcgacggca cgcgtccggc cttctaccac gcgggcctgg tgctgttcac 60
cctgtgcgcc gccaccctt cactggggcc tcgcacagcg gtccacatca tcgagtcgag 120
cgccccagca aggaagatgc agtcatttac ttgtttcagg accctttaac taactacact 180
gaggacaggc gcatggtcac gcgctctact cccgtaaggc atggattaca cattcaacta 240
ttcggcgaca ctaccaatgg ctgcaactca accgagcctc cattttaacc ctcataataa 300
accccatgga gctacatttg acgacgaacg acatttgagc gacctgcaa acatagtacc 360
caatgaacat tgatatgcag aagtgttcat aagagactta caaatttcat tgagtgggcc 420
tcaatccata c 431

<210> 24475
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B5

<400> 24475

```
cccacgcgtc cgcccacgcg tccggtgtct gcgtgcaggg cgcgagcgcg gagggcacgc 60
ccaagaggct gacctacgac gagatccaga gcaaaacgta catggagggtg aagggcacgg 120
gcacggcgaa ccagtgtccc accatcgacg gcggcggtga gtcgttcccc ttcaaggccg 180
gcaagtacca gatgaagaag ctgtgcctgg agccgacgtc cttcacgctc aaggcggagg 240
gcatcgccaa gaacgccccg cccgagttcc agaagaccaa gctcatgacc cgctcacgt 300
acacgctgga cgagatcgag ggcccgtcgc aggtcggtc cgacggcacg ctcaagtctg 360
aggagaagga ctgcatcgac tacgccgtcg tcaccgtgca gcttccgggg gg 412
```

<210> 24476
 <211> 306
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H9

<400> 24476

```
cccacgcgtc cgattctgtg tgtatgtctt ggtttattaa ctaataactt aatagaccaa 60
gacatgcaca cagaatcaaa ccaacaatca aaccttttat ttgttccatc atatatctac 120
aggaggaatt taattagtag gtaattaatc cccctatgat acaataataa taataatgaa 180
tacaacacat gcaatggagc aagtggacga cgggcagcat acgcaggaag gcgtgtcgac 240
ggagcgcgcg ttcgaggcag acccgatccc atccttgctg gagacgatca cggcacgggc 300
gatagc 306
```

<210> 24477
 <211> 442
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-A1

<400> 24477

accgacgatg gcgtcgaata agacggctct catcgctcgc gcgatgcttc tcatcacgct 60
cgtgctggag gccgcccctc cggcgaccgc catggactgc aaggccgggt gtgacgaggt 120
cacggggcca ctccacatga gcatggagga ctgcatgaag aggtgcaagg agatcgctgc 180
taagcagggg cctagggacc cttacaagga taacaaactt gacatcccat gaactaatta 240
atgctcctat atcatctgcc tatccatgca tgcattgcat tgcgtatgca cactgtgcgt 300
gcctgccac aaagtctgac aacacaccga tctcgacgga tttgtaatcg tgtccactcg 360
atcgagagat cgatcgatgc ttgttattat atttggattc cacattatat atgagaaaat 420
ccaattaaaa ttaatttatt tc 442

<210> 24478

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-A10

<400> 24478

cccacgcgtc cggcgttccc gtcggaggag agcgggtcct cctcgccggt ctactactgg 60
ttcgacgccg gcggcatcca cttcgatcatg cttgcgtcct acgccgacta cagcagatca 120
ggcgcgagcgt acaagtggct ggaggcggac ctggagaagg tggacaggtc ggtgacgcca 180
tggtgatcgc cgggctggca cgcgccctgg tacaccacct acaaggctca ctacagggaa 240
gccgagtgca tgagggtgga gatggaggag ctctctctacg cctacggtgt cgacgtcgtc 300
ttcaccggcc acgtgcacgc gtacgagcgg tcgaaccggg tgttcaacta cacgctggac 360
gcgtgcggcc ccgtgcacat ctcggtgggc g 391

<210> 24479

<211> 420

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-008-Q1-K1-A11

<400> 24479

acgcgtacgc agccaagagc tatccatagc cacagcgatg caccagcacg agataactagg 60

gatcatgggc ctgtcgtccc tctcctcgt cgtggccgcc ctctcggcgc gcgccgcggc 120
gcagcagggtg ccgccgggtg gcggcagcgc tctgaagccg gactactaca gccagtcgtg 180
cccgcgcgcg gagcggatca tcgcgagggt gatgcagacg aagcagatgg cgaacccgac 240
gacggccgcg ggcattgtgc gcgtcttctt ccacgactgc ttcgtcaccg ggtgcgacgc 300
gtcgggtgctg atcgcgtcca ccagttcca gaagtcggag cagcagcgcg agatcaacca 360
ctcgtcctccc ggngacgcct tcgacgccgt ggtgcgcgcc aagctggccc tggagctgga 420

<210> 24480

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-A3

<400> 24480

cccacgcgtc cggcgctgtg cagggcgcgga gcgcgttcgt tcggcatgga acagaacgcg 60
cggtcgttc ctgcgcgtgc gtcgcctctc cgggtggcgcc atccaccacc atcgtcacca 120
ctcttccccg gctgaggctg tgggcgtgtc cactgcgtgg ctcggttaagg ggctttcatg 180
cgtctgcgcg cagaggaggg agagcgacgt gcgcctgtcc ttcgatttga gtccattca 240
ggaagagtgc ttgaataggt tgcagaaccg gatagagggt cagtatgatg gttcaaattc 300
ggagcatcag aaagcactgg aagccctttg gcgttcttct tttcctggaa ctgaacttct 360
agggtagta tcagaccagt ggaaggagat gggatggcaa gggaaagatc catcta 416

<210> 24481

<211> 361

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-A4

<400> 24481

cccacgcgtc cgcacacgcg tccgccgaag gaggccaggg ctggtatcag ggaaatccag 60
ttcttgccct tcaaccctgt tgataagagg actgctctga cgtacattga tgccgatggc 120
aactggcacc gtgtcagcaa ggggtgtcct gaacagattc ttgacctgtg ccactgcaag 180
gaggatctga ggcggaagggt gcactctatt atcgacaagt atgccgagcg tgggtctcgt 240

tcgcttgctg ttgccagaca ggaagtacct gagaaaaaca aggagtcccc tgggtggacca 300
 tggcagttcg ttggtctggt gcccctgtgt gatccgccta agcatgacag cgctgagaca 360
 a 361

<210> 24482
 <211> 363
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-A5
 <400> 24482

caaattaaag agggatcgga ttggaactcg atcggaagga aggtcctgca ggggggctgg 60
 ccggtcgctg atcgaggaac caagctgctg ctgctgctac cggacgacac caaccatgat 120
 acggaggacg acggtgtgcc taggcctgct gcttctacta ctggcggcgt caactgcgac 180
 ggcacatttc tcgatcggcg acgtggacga gtacttgaac aggcgcacgc aggagtcccg 240
 ccacaggaac cacggcggcg cgcagatcaa tgacctcatc tacagtgctg cgcgcttcca 300
 cgccaacgtg gatgcacga cgtatggctg tcgttccaac ctgcatgtgc atgaagagga 360
 agc 363

<210> 24483
 <211> 340
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-008-Q1-K1-A6
 <400> 24483

cgactccact gcgtctcgtc ccactgccgt ccgtcccact gcgtctcgtc aactgtcgtg 60
 catactcatt nggatcannn gtgcagagca gagccaanat gtccttaaag tgatgtngnn 120
 attcctaact ctgcaatnng ggaggaactn nngtggagat acctatggcc annggtccnn 180
 aatgaactaa gatgtcatgc cctnctcttg gtggacctgg agaactctgga ctagcactag 240
 ttatcagagt attcgggtgac tccactcatc ctcagcgttc ttgctgaggg actattgcnn 300
 atttgctcgt ggcgcgccct tcttcnntcc gtgggccggg 340

<210> 24484
 <211> 413
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-008-Q1-K1-A7

 <400> 24484

catccctgca aattaccgcg atggctccca agatcctagt catccttggtg ttcctcgccg 60
 tggcctcacc ggctgctctg gccgccttcg atgtgataga gatgctggcc gacaagccca 120
 cgtactccac gttcctgaag ctctgcagg acaccaaggt cgcgggagag gcgaatcagc 180
 tccggtcggc gacgctactg gtcgtccccg acaaacttgc caagcctctg gcgtcgctgc 240
 ccgccgataa ggtgcgggcg gcggtggaga accacgtcct tctcagttac ttcgacccca 300
 tcaagctgga cgagatgaag acacgcaccg tcatcctncc cagctgctc tccgtcaccg 360
 acaagaaact cggcgtcctc aactacacca gggccgacga cgggcagatg tac 413

<210> 24485
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-A9

 <400> 24485

cggacgcgtg ggaccggcgt gacctgcggc cccggccacg gcatcagcat cggcagccta 60
 gggcgggtaca aggacgagaa ggacgtcacg gatatcaacg tcaaggactg cacgcttaag 120
 aagacggcca acggcgtccg catcaaggcg tatgaggacg ccgcctccgt gctcaccgcc 180
 tccaagatcc actatgagaa tatcaagatg gaggactcgg gctaccccat catcatcgac 240
 atgaagtact gccccaaaca gttatgcacc gccaatgggtg cctccaaggt caccgtcaag 300
 gacgtcacct tcaagaacat caccggcacc tctccaccc cggaggccgt caacctgctc 360
 tgctctgcca agatcccatg caccggcgct accatggacg acgtcaacat caagtacagt 420
 ggcaccaaca aca 433

<210> 24486
 <211> 383

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B1

 <400> 24486

 ggaggaggtg gaggcggagg cgggggagag gaagaccag gagccgccgc agcaagggga 60
 gggcctcagc ctctcactcg ccaacggcag tggcaggtct ggaatgttgc cgatgtcaaa 120
 catgtcagct aatccttcac agcttacaat tttctatggc ggatcagtat gtgtgtatga 180
 ctcagtgcc a cggaaaagg ctcaagcaat catgcttata gctgcagctg cagcggcagc 240
 ggcagctacc aaaagcagtg ctgccctac tgttaagcct ccaatgggtgc ctgcagccac 300
 tgttgcccca gcagctgtcg tttctcctgt gcttacacgg tctccatcac tgcagagcac 360
 ttctgtagca actgggcaac ctc 383

<210> 24487
 <211> 314
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B10

 <400> 24487

 cggacgcgtg ggcggacgcg tgggggagaa ctttgtgtac ccgagtgggg tggatcgtgt 60
 tcaagaggca attcgttcat ctcaagaaa ttgctgctaa gggtgagaag actagccac 120
 aattgcgaca acatacttcc ttaccaagaa caggtcgatg tgcacagatc cttcttgctt 180
 ggatgtacct taaggctctc aggttttgag ttgagcaatc cttgttggca caccatcaac 240
 tggactgctc gcatactcag atatggtcta ctcatcttta tttcgcttcg gttttaagac 300
 tactcactgg gaaa 314

<210> 24488
 <211> 289
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B11

 <400> 24488

 gcagaagacg caagactcgc ggataacgga ggactccgcg atggcgatga tcgagcggga 60

gaaggctcgg gcgaaggcgg ccatggaggc ggcgaggcg tcgcagcgga tcgcggagat 120
 ggaggtccag aagcggatca ggcggagaa gaagctgctc aaggaggccg aggagcgaa 180
 gaaccgcggc ggcagcggca tgtcccacga ggcccggtac cggcgctaca gcatcgagga 240
 gatcgagcag ggcacggaca acttcaacga cgcgcgcaag gtgagcgag 289

<210> 24489

<211> 294

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B12

<400> 24489

tggcggtgga gtcggactac ttcacggttt acggtgtcgt attcctgaac gacacgcgga 60
 tgggggaacc tggctccaag ggcggccaga cgggtggcggg gcggctgttc tggaccaata 120
 cgcagatcta ctactgcacc atcgacagcg gacagtacac gctgtacaac cacaatgtcc 180
 tgcactactt taagggtgc ctcactgtgt tcagaatcga cttcatcttc ggcttcagcc 240
 ttaacttcta cgaagactga cttatcaagt ctgaagttaa agacgtggcg gtgc 294

<210> 24490

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B3

<400> 24490

cccacgcgtc cgcacacgcg tccggttccg cgcgcacggc gagcagaagc cgttcgcgca 60
 ggccgagctg cagctgcaga gcttccccac cgtgctcctg tccccagcc gcaccgccc 120
 gcccatcaag taccgcgcg agaagaggga cgtcgactcg ctcctgcct tcgtcaacag 180
 cctccggtga ggccgcgcag tgagcgagaa ccatcggttct ctgtcagtat gtactgtatt 240
 acatgttggg atccatctag gtgcgctgta cgtagagagg gaggcggagg gaactgggat 300
 gctagaaaaa acagatgcag gtgttgcttg taactgcaga atgatggtag gtatgcatga 360
 agtctgaggg cctgtgttat ttggc 385

<210> 24491
 <211> 311
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B4

 <400> 24491

 cccacgcgtc cgcccacgcg tccgcccacg cgtccgggag tggctgtcgg ggctcttggg 60
 cgacgcattc atcccgacg agccggcggt ccccggcgcg gcgcccattc tcaagagctc 120
 cgcgctggcg gccggcgcg cgtgtccgcc ggacaagatg gaggacgcgc tgcgtgttccg 180
 cagctccagc cccatctcgg tgcgtggagca cggcagcttc aacaacgcca acggcggtgg 240
 cggcggtcgc tccgcgtcgt cggagtcgtc ctccggcgcc tcgtcctcgg agtctttctc 300
 cggcagcggg a 311

<210> 24492
 <211> 464
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-G4

 <400> 24492

 agcggcacta cgtgcgagtc gtcgcatcag gtccctcga ttcgccggcg gcggcgccgc 60
 ggaccaagct catacatctg aattgactag tccaactcag ggatttcttt ggggaccaat 120
 caaactcaag aactaagttt catgtctgat ctgcagctcc agcttccatc tgcttttgat 180
 ccgtttgcag aggcaaatgc tgaggactcc agtgctggtg ctggatcaaa ggactatgtg 240
 cacgtgcgta ttcagcagcg caacggaagg aagagtctga caactgttca gggcttgaag 300
 aaagagtaca gctacaacaa gatccctaag gatctcaaaa aagagttctg ctgcaatggg 360
 actgtaatcc aagatccaga gctaggccag gtcattcaac tgcaacgtga tcagcgtaaa 420
 aatgtcggta cttttctagt acaggccgga atcgtgaaaa aaga 464

<210> 24493
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-G5

<400> 24493

cggacgcgtg ggcgaatcca gcctcatctt cgtctccgat ctgccccccg ctcagccggg 60

ggttcttttcg ctgcgtggtg ggacggagcc gagtagtgcg gtggtagccg agcgctccgg 120

ccatggcggtt ctatcggggc ctcaccgcag tctcgagact gcgatcacgc atggcgcagg 180

aggccaccac gctggggggg gtgaggtggc tgcagatgca gagcgcgtcc gatctcgatc 240

ttaagtccca gttgcaggaa ttgattccgg aacaacagga tcgcttaaag aagctcaagt 300

cagagcatgg aaagaccag cttggaaaca taactgtgga tatggtcctt ggtggaatga 360

gagggatgac tggaatgctc tgggaaacat ccctacttga tccagaggag ggtattcggt 420

ttaggggcct ctcaattcca gaat 444

<210> 24494

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-G7

<400> 24494

ggacgagact cgcagctagc tgacacggcc gagaagcagc ttgcattgca ggcgtagtac 60

ggaccagca gcagctagca ctagcagtcc atcggagcga cgatgggtgag aaggacggtg 120

ctggcggcgc tgctggtggc cgccgcctc gccggcggcg cgcgggcgca gctcaaggag 180

gggttctacg actactcctg cccacaggcg gagaagatcg tcaaggacta cgtgaaggcg 240

cacatcccc acgcgcccga cgtcgctcc accctgctcc gcacccactt ccacgactgc 300

ttcgtcaggg gctgcgacgc gtcagtgctg ctcaacgcga ctggcggcag cgaggcggag 360

aaggacgcgg cgcccaacct gacgctgcgc ggcttoggct tcatcgaccg catcaaggcg 420

ctgctcgaga aggagtgcc cggcgtggtg tctgcgccg acatcgtcgc gctc 474

<210> 24495

<211> 408

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-G9

<400> 24495

cccacgcgtc cgcccacgcg tccggcagct tctcccagac gctagacacg ccgccgcgtg 60

cgtctgcgcc gcgagatcga gaatgtccat ctctatgcgg ctgcgatcc ctgctcctgc 120

cgtcaccgcc gccgcgccga cgcggctgag ggtgcgagcg gcagcggcgg ggaaccgcgg 180

ctctctctcc gtcgcgcgcg ccgccgtacg ggccggagacg ggcgcgctca ggggatgcgc 240

ctggctgcc aagaagccgc tgggagcggg ccagccgtac cggagcaggg gggccgtcgt 300

cgtgtgtcac tcgtcggcgc acctcagcgc gcgcaccatc cagtggatct ccgncggagc 360

cagcgcagtg ctattagttg ctaaaggcac tgccatacac aaatcttt 408

<210> 24496

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H1

<400> 24496

cgacaagatg gcgtgcacag acaatgcgat gagagccttg ttcctcctgg tcctcttctg 60

catggtgcat ggtgagaagg aagagtcaaa gggcatcgat gcgaaagcgt tcgggcctgg 120

tgggttcttc gacatcacca agttgggcag cctccggcaa tggcaagaca gacagcacga 180

aggctgtgca tgaggcatgg gcatcggcgt gcggaggcac tgggaagcag acaatcctca 240

taccaagggg cgacttcctt gtcggacaac tcaacttcac aggcccttgc aagggcgacg 300

tgaccatcca ggtggatggc aatctgctgg cgaccacgga cctaagccag tacaaggaac 360

atggaattg gatcgagatt ctacgcgtgg ataacctggt ca 402

<210> 24497

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H10

<400> 24497

cggacgcgtg ggcacacatc gtctatcagt gctcatccaa caatccgtgc gcgaccaagg 60

caataatggt gtcgtcctcc cgtgctgtcg tcgtcgtcgt cggcctcctc gtcgcgcgtg 120

cctccctcgc cgtcgtgcc tccgatggcg gtgggccgac gtacgggtac acggcgggga 180
 gccccgacgg gccggagaac tggggcaagc tgagccccgc gtacaagctg tgcgggcagg 240
 ggaagcagca gtccccgacg gacatcgta ccaagcaggc cgtccccaac gccaacctcg 300
 acaccctcaa ccgcacctac gccgccaccg ccgccacgct catcaacgac ggccacgaca 360
 tcacgatgac gttcgagggc aaggctggga cggtaatggt gaacggcaag gcgtacagct 420
 tcgagaagat gc 432

<210> 24498
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H11

<400> 24498
 cccacgcgtc cgtccacgcg tccgccacg cgtccgcttc gtcgccgctt tcgtcctctg 60
 cgctaccag gagtttaatg aattcgggtgc tgatgggtga ccagcagcta aggcccttcg 120
 gcccaaattc aacgtgtttg tcaaaaatgt atctgctcat ctgggagtag ctgcgccaca 180
 cattgagttg aagcatgtga ttgctgtac aattggctct aagggtcttg gaagcctcct 240
 ttttatattg agcagctctc tcagtgttta tctcctgctg ctgtaccttg cttagatcac 300
 tcctatcacc catgacttct acaactacga tatggagaag gcagaatctg caggcctctc 360
 tgccaagtgc acccatgatt tggcgctgat cggagctctg ctcttctttc tgggcatgaa 420

<210> 24499
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H2

<400> 24499
 cacggagagc gccagctaca ccgggcatgt ttattggcct cctgcccctg ttcgaccggg 60
 cggggcacga cagcgcgag accatccgcc gcgcgtcca cctgggctgc aacgtgaaga 120
 tgatcaccgg cgaccagctc gccatcggct aggagaccgg ccgccggctc ggcatgggca 180
 ctaacatgta cccatgcacc acgtcctggt gcgacacgaa caccacggcg aacggcatgc 240

acatcgacga gctgatcgag aaggcggacg gcttcgctgg ggtcttcccc gagcacaagt 300
 actagatagt gaaacggctt cagcaccgga accacatctg cagcatgacc ggggactgcg 360
 tgaacgacgc gccggcgctg aagaaggcgg acatcggcat cgccgtggac gacgcgactg 420
 acgcggaccg gagcgcgtag gacatcgagc tgactg 456

<210> 24500

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H3

<400> 24500

ccaacggcaa cagttggaat tcttgccaaa attcttcacg gaagaacaat tgcagttctt 60
 gggacgactg ggacgaccca ggcaagaaag atgagcctgc gaaaccgcac cagagcagtg 120
 actcctgggc tggctgggat gatgggaagg atgatggtct tgatagccct agttacaaca 180
 atcacagcac ctccaacaag gggagcaacc aaaacgggac atccggtggc acattttgga 240
 cagaaggcgg ctcccgctga aaccagtctc tttttcatag agctatactt tcagagtcgt 300
 tacatgccag gaaacgtgag ggtccagtgg ttggtattat ttgggatact taaacagtgc 360
 ggtgaaaggg tttgtgtgtc ttgtaccatg tctacaactg atattatc tagtgagata 420
 tatctct 427

<210> 24501

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H4

<400> 24501

tccgacgagt cgggaagcaa tcgatcacga acaactacct cgccaccaac aatggcctcc 60
 aggtggtaca ttgtactcgc cacggtgatg taggctgctc tgatcgcgga tggatatctgc 120
 accaccccg tcaacttcca tgacggaaag ggatccaagc ctggtcacct gatcctcacc 180
 agtaacgttg ccaccatcgc cgatgtggag atcaaagagc actgtggtga tgacttttgc 240
 tttaactga acgagggccc gactgacacg ttgactcatt gaactatagc cccactcaag 300

taccc

305

<210> 24502
<211> 477
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-H5

<400> 24502

cccacgcgtc cgcccacgcg tccgtgcagc atcaacagca gcaggcacca cccgtggtgc 60
gaggagcagc agcagcagca gttcttcatc cgcgacgaca cgccattcat gagccagatg 120
ggcgacatca ccagcacggc ggagttcagg ttcggctctg gtttcaacat gtctagcacc 180
gccgccgctg attaccagg cgccggcgag aagaacgacg gggccaattg gttctactga 240
agaataaaac ttgtagggtc cctcgttata agcttcggat tcctccatgg ctctcccaag 300
ttgtcaagtc ttataggctc tcgttatata ggttttgag tagctgcaag acggctggaa 360
cctgnaactg gtttatactt gtatgtccgg ccagccataa acctctctta tttgcaaact 420
taatgttatt cctagcttta agttgctagt ctcaagtctg tccatgtata tggctgt 477

<210> 24503
<211> 482
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-H6

<400> 24503

tcgaccgcac gcgtccgaag aaaagcatcg atctctagca gcatcggaga tggagctaaa 60
tggatggtca acaaagtga aggaagatg cagaaaccgc tgccggagtt cctcaaggag 120
tacgacctcc cagcaggcct gttcccgag gacgcgacga actacgagct gaacgaggac 180
accaagctcc tgacggtgta catcgctcg ccgtgcgagg tgggctacaa cgactcgtcg 240
gtgctgcgct tcgccaccac cgtgacggg tacctggaga aggggaggat gaccacgctc 300
gagggcctca agaccaagat cctcatctgg accaagggtga cggaggtacg gaccgaggcc 360
accaaggtgc acttcgccgc cggcatgaac aagaccagga accgggacgc gtacgaggtc 420

gtcaggggacg gcacgcncgt agacaagttc tagcagacct tgtaattagg cgcgtaatat 480
aa 482

<210> 24504
<211> 230
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H7

<400> 24504

accacgcgta cgcccacgca tccgcgcatt ctctagatcg ctacatatcg tatgccaggt 60
gcgaattcta tcatggtgac gggtatatac accactctaa cacttccacg aaccagtcgc 120
caacagatct cactccaat catccttaca cctgatgctc tgcgtcgtac atcatatcca 180
ccgtaagttc atcttcaact acgcgcaaac ccgaacacgc gacacttcta 230

<210> 24505
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-G2

<400> 24505

cgtaccgctt ccgcgtctgc aacgtgggca tcaaggcgtc cttcaacatc cgcattccaga 60
ggggatcatg aagctgggtg agatggaggg ctcccacacc atgcagaacg actacgactc 120
gctggacctc cacatcggcc agtgctgtc gttcctcgtc accgccgacc agaagcccgg 180
cgactacctg ctggcggtgt ccaccgggtt catcaaggag gtgaacagca tcacggccgt 240
gatccgctac aagggtctca acgccccgcc gacggccaag gtgccggaga gtcccagcgg 300
gtgggcgtgg tccatcaacc agtgcaggtc cttccgctgg aacctgacgg cgagcgcggc 360
gcggcccaac ccgcaagggt cgtaccacta cggccagatc aacatcaccc gcaccatcaa 420
gctcgccatg ggccgcagca aggtgga 447

<210> 24506
<211> 398
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-E9

<400> 24506

taccctcgtc gtcgtctcac tcaccccgcc ttcacgcctc cctcaccaaa taaggctcgg 60
cccttttccg acattcacag gggggacagg aaatcagcgg ccatggcctc gattccggcg 120
acgaccttcg ccgtcatctt atccgtcctc ttctgtgccg cggctggcac cgccgtcgac 180
aacgacctcc ccgactacgt catccagggc cgcgtctact gcgacacctg ccgcgccggg 240
ttcgtgacca atgtcaccga gtacatcgcg ggcgccaagg tgaggctgga gtgcaagcac 300
ttcggcaccg gcaagctcga gcgctccatc gacgngtga ccgacgcgaa cggcacgtac 360
acgatcgagc tcaaggacag ccacgaggag gacatctg 398

<210> 24507
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F1

<400> 24507

cacacaaaca cgagcacaca tacaatcact ctttagctca cgactaaca cggcctatac 60
gtgaggcatc atccaggcaa caacggcact ggctactttc tgtgtgatcg gttecgctcac 120
tatgccactc accttaaagg taggcaaagg ctgcaatcct gaacacctgg tcctcacccc 180
aaacattgcc accatcacgg aaacggagat catggatcac ggtctcgatg acttctcctt 240
tgagctcaaa gagggccacg tcgacacctg tacgcttgac acaaaggccc cactcaagta 300
cacgctctgc atccgctttg ccagcaaggc tgacggctac tcgcatctcg atgatgtcat 360
ccctgaaaat tttaatgcac acaccagcta caagaccag ctcaaaatct gatca 415

<210> 24508
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F10

<400> 24508

cggacgcgtg ggcggacgag tgggcaagcg agtcgtggtg cttggccccc aggtcccgct 60

caaggagcag ctcgagctcg acaaggatga tgagagcctg aggaggtgga aggagcaact 120
 ccttgggcag gtcgacacag agcagctggg agaaactgcg gaaccagagg tcaaggtgct 180
 ggacctgacc atcctgtcac ctggcagacc ggacctgatc cttccgatcc cgttccaggc 240
 tgacgagaag ggctatgctg ttgccctcaa ggacggcagc ccctacagct tccgcttctc 300
 cttcatcgtc tccaacaaca tcgtgtcagg cctcaagtac accaactctg tctggaaaac 360
 tggagtcaaa gtggagaccc agaagatgat gctggggacg ttcagcccc aactagagcc 420
 ctatgtcta 429

<210> 24509

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F11

<400> 24509

cggacgcgtg ggcggacgcg tggcggacg cgtgggcttc tatcgtctat acgcttgggt 60
 ctctccata ttgtcgtatg aattatgcga tcacgaaagg gaggggatac tgggtagcaa 120
 ttggtgtgga gaggaaggt tcaagttgat tttaaccaag gcagcacgac ggcagcgacg 180
 acgacataca acaacacgac ggtaggggtg atgatggcag cgccatcggg tggtaggatgc 240
 agtggctgtc ttgactgcct gcatgatatt gtgcatgcac tatcgtatgg atcatgcctg 300
 acagtagagc agcggcctgc catggctacg ggaggtgctc acaaggagg agatgtaaaa 360
 gagaggaagg aaaaggtgga ggtaggata ataggaaatg gagtgggt 408

<210> 24510

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F12

<400> 24510

cccacgcgtc cgcacacgcg tccggcccc gagggccagt aagacggatc cgatctcgcg 60
 acctgatgcy tgtctgctga tgcggggag tttaccagga ctgtgccgtt cttgatttct 120
 gatagcttat cttctagtac acctcgtgtt gttctcttcg tcacggcgcc ggtgcgcgtg 180

cgctgaagct gcctgccatt gccattgcct ttgccgttgt ttttaattaa gcacacactc 240
tagatgttat gcccgcatgc tatgtttcga ttctcaagtt gataaatgat ggctggatgc 300
tggttttcgt gctccaagcc tgctgcttct tccagggaaa aaaagacctg cccttggtgc 360
agcgttggtg tttagaatga cctatatttg actggtattc tgttacggtg gctttgcaaa 420
g 421

<210> 24511
<211> 461
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-F2

<400> 24511
ggccgncggg gaccttgagg tgctcaccgc gctcgacacc gcgaagacgc aatggtacca 60
gtgcaccgcc atcgtggtcg ccggcatggg gttcttcacc gacgcctacg acctcttctg 120
catctccctc gtgactaagc tcctcggccg catctactac accgtggagg ggtccgcgac 180
gccccgcacc ctcccgcgcg acgtgtccgc gtccgtcaac ggcgtggcct tcgtgggcac 240
gctgtcaggg cagctcttct tcggctggct gggcgacaag ctcgggcgca agaaggctcta 300
tggcatgacg ctcatgctca tggctcctctg ctccgtcgcg tcggggctct cgttcggcca 360
caccocggcg tccgtcatgg cgacgctgtg cttcttcgcg ttctggctcg ggttcggcat 420
cgcccgcgac taccgctgt cggcgaccat catgtccgag t 461

<210> 24512
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F3

<400> 24512
accacacggt cgccctcgcg atctcaccct cctgtgctca atcaaaaggg atagctctac 60
gggggcctac tacttgatc cgtgccttat caccattgaa ctaggatacg actcatatct 120
cctatatatc tacgactcgt acctgatata ccaagctagt actgctctgc aatattaatc 180

aatgactcta aacgtatctt ggtacatcta catgtacatt ctacaactag gctctaacct 240
 cctgcacaca cattatcaca tatttgatac ccacaattca tgactcgcac ataagctact 300
 gagaccccat cggttactct acta 324

<210> 24513
 <211> 345
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-F4
 <400> 24513

cccacgcgtc cgcccggaagg cctcgtgcct tctcttcctc cctggcatgg acgaagtagc 60
 gtggggcgcc tatgatcgat gccgccgtag tgctggacaa caatggcgct gacgcggtct 120
 cctgcactgc catccctagc gtaacaataa gcctatagga gaaagaaaat atcaatgggg 180
 atgttccac gatcacctcg gccgcaagca acgaggagga ggcgttggtc acagtcagag 240
 aatccaccaa ggacgatagc catcgcttga cgatggaatg ctccactccc gtctacttca 300
 gtagcccttc caccgcgct tcttgcgagc ggttactgaa gatgt 345

<210> 24514
 <211> 350
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-F5
 <400> 24514

cccacgcgtc cgcccacgcg tccgcggact cttgggcgga cgcgtgggct gcatcgaggg 60
 tgcgcacctt tcttgcgggc ctggttcttg aagtcgtgcy tgcaaggact cattgggtct 120
 gccatgtact ctgctgacca gtcagtggat tctgctaaac aaatccagca catttggtcat 180
 cattagccta tgtttttccg agatgaactg caatctaggt cgtagacgca acctgtgggc 240
 attctatcag tccatgtagc agatcgaatg atcaacccat gagatttaca acagaagatg 300
 gcaaacaatg tggatcatgc gatcagacgc attaaagcta tatcgccaca 350

<210> 24515
 <211> 272
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F6

<400> 24515

attccctcgt cgaccgactc ctacgcccac tcacccgcac actctttcgc tatctttccc 60

tatctgaaat actctacttc acgttgacca ctattaaggg ggccggcact agctctctac 120

aactacgcct ataacatctc actcttcaat ctcatgactc aattactaat accctaatac 180

tactacacta acatcaacct ctatccatga actatctcca cgtacaactc ctactcagaa 240

cacacaatat tcaatgtccg cacattcact aa 272

<210> 24516

<211> 467

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-F7

<400> 24516

aggctcccca aagatagcat agcagcagca ctcacaatag caaaaaccac catccgctcgt 60

cgcgcaaccg tagcaagaac atcaccaccg cccagcaata atggcgcaga gcatgaggat 120

tgtggcgctg gccctggtgg cctgctggt ggtggcgggc gcggcgcccg tggccaccgc 180

gtacggctgc tacgacgact gctacgagcg ctgcgccaac ggcaagaaag accccgcctg 240

caccaagatg tgcaaccagg cgtgcggctc cacggatcag ggcgccggtg ccgccggcgc 300

cgcgccggct tgatcgccca ggcattcat cgcttcagct cgatataatc gctgctccgt 360

cagcaacca catatgattc gatcaatctt cctcctctaa tttctcgacc ccgtcgaatn 420

tttttccttt ctattcttct actatactac tactatcntg ttgtcgc 467

<210> 24517

<211> 483

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F8

<400> 24517

tcggccgacg cgtccgcccc cgcgtccggc catctgatca accagccagc cgatctcagc 60

gatccgccat ggccgcggcg tattacgaga ggccccgtgg cggcgccgtc gaggaggcgg 120
acgacttcga tgagttcgac cccacgccgt acggcggtgg gtacgacctc gccgtcacct 180
tcggtcgccc gctgccaccg tccgaggaaa cctgctacgc gtgctcggcg ccctcgacct 240
cctacgacgc accgcactac gccgcctccg agccgtcccc ctacggtcac cagccaagc 300
caaagcccaa ctacgggttc cgccccagc aggagcaaca gccgtcttac ggcagcggct 360
acggatccag gcccgagccc gctgcggagg agggcggtgg ctatggatct ggcttcggat 420
ccgggtatgg gaggaagaag caggaggagg agagctacgg ctctggatat gggaggaaac 480
cgc 483

<210> 24518
<211> 397
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-007-Q1-K1-F9
<400> 24518

ggccgtgcaa atccatttct tgccttgccg gcacagctct gcatagctcc tggcaagggt 60
taggattagg atttgattt ggatttgat ttggatcggg tgtgtttcct gcgtaaccat 120
gagcgagatc atgaagctaa agcgtgggat cagcaccaaa ccaggagacc acctcgcca 180
aaatggccaa caacatccat gtcacgaatg ggaggagcaa cagcgctact ggcctcgcc 240
gcgggcgccc acggcgagcc cgacggagtc ggccaggacc ccaggcgga gccagaagaa 300
ggcggttctg ggccaggatg agagcatggc caagaaatgg atgcacatgc tgcacacaa 360
gaagaaaccc gggccaccgg aagagatgat gtggacc 397

<210> 24519
<211> 398
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-007-Q1-K1-G1
<400> 24519

cccacgcgtc cgcttgaaa aggggtgccc cccaactac ctggcgctgc tggtaagta 60
cggggatggc gacggtgaca ttgtggcagt ggacgtcaag gagaagggt ctgacacgta 120

cgagcccctg aagcactcct ggggcgccat ctggaggaag gacagcgaca aaccgcttaa 180
 gggacccctc accgtccgcc tcaactaccga gggaggcacc aagtcctct acgacgatgt 240
 catccctgcc aactggaagg ccaacaccgt ctacaccgac gaataattaa ctttagtgct 300
 gacaatacta taagccggcc tatgctagct atactagaat tggttggatc ccaagcaatg 360
 cattacacat gcatgcattg gaccgtgaaa aatacttt 398

<210> 24520
 <211> 185
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-G11
 <400> 24520

cccacgcgtc cgcattcttt agataaaaga agcagcttgc ttcctccctc cgtgttcaga 60
 aggtcaggaa gcaacgcccc acatgtcagg tcaggatcta atatgtgtag gggcttgaga 120
 aaaaaggcga ataattctgt aatcaggatg taaccgaaat actacagttt ttttttctt 180
 gtgac 185

<210> 24521
 <211> 369
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-G12
 <400> 24521

gaacataagg gggagatgaa ggttgtggtc aggacagtta tttcactcac caggaggag 60
 gagaaagaac tcaaggaaac cttgcaggat atccttgggg aaaacaaaac tatttttggtt 120
 gaacagaaga ttgactacag catcatggga ggattagtga ttgaattcgg gcagaagggtg 180
 cttgatatct caatcaggaa cagggcgaag caaatggagg cgttcttgaa gcaaccactt 240
 gacttctaac agccttttgg ataaaagcat catcggaatg cagaggctgt ccttgtgaag 300
 gttttcctgt gtctgcaatt ttaatctgtc ctttttgata aaatgtttcc tctaacaagt 360
 gaaaggcac 369

<210> 24522
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-E8

 <400> 24522

 acaccctcga cgaccgactc ctacacgcac gcgacctga actcctcacc gagctttaca 60
 ccgcaaagac gcaatgatac cactgggcct ccatcgaggg ggccggcatg acattattca 120
 ccgacaccta ccacctcttc tgcattctcc tcgtgactaa cctcctcggc cgcattctact 180
 acaccgtgta atgggtccgat acgcccctcca cctcccacc gcacgtgtcc acgtccgtca 240
 actgcggtga cttcgctgac acgctgtcac gacagctctt cttcagctgg ctgggctaca 300
 agctctggca caagaacgtc tatggcatga cgctcatgct catggctctc tgctccgtca 360
 catcccagct ctcggtccgc cacaccccg cgcttcgtcat ggcaacactc tgcttcttcc 420
 gcttctggct 430

<210> 24523
 <211> 464
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-D3

 <400> 24523

 atagagagag agagagaggg ggactggatg ccctgcagcg gcatttcggg gaccctcagg 60
 gcggggcaga tcgacgtggt catcgacacg gggaaccggt tcctgaaccg caccgtcgac 120
 ggcttgctca agatcggcgc tgcggcgcc tgcaaggtgg cggccgagga gaccttcgac 180
 tgcctgcaca ggggggatgt ttcaaagcgc aagggtgagc atgccctgaa gaagatgtgc 240
 aaggagggcg catattgcgg gactgttgct ggcgctctacg tgggctggt gtatggcgtg 300
 tagagggtag gtgggcgag tgactggaag aacgcgatgg tcggaggcgc cttgtccggc 360
 gcgctggtct ccgacgccag cagcaaccac ggtgacaaga tcgtcacgga cgccatcacc 420
 ggcggcgccg tcgcaacggc cgttgagttc gccaaactacc tcac 464

<210> 24524
 <211> 459

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-D4

 <400> 24524

 cccacgcgtc cgcccacgcg tgcgcccacg cgtccgcca cgcgtccgcc cacgcgtacg 60
 gggggcgctac ggcagagctc cacggggatc accatctcca actgccactt caccaaccac 120
 aacgacgtca tgctcttcgg cgccagcgac tcctggccgc aggaccagat catgcagatc 180
 accgtgcct tcaaccactt cggcaggggc ctggtgcagc ggatgccaag gtgccgctgg 240
 ggctttcttc acgttgtaa caacgactac acgcactggc tcatgtacgc cattggcggc 300
 ggcgacgcgc caaccatcat cagccagggc aaccgctaca tagcaccacc aaacatcgcc 360
 gccaaagtga tcaccaagca ctacgcggaa gaaggcgtgt ggaagaactg ggtgtggcac 420
 acggaggacg acctgttcat gaacggcgcc atcttcaat 459

<210> 24525
 <211> 326
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-D5

 <400> 24525

 cattcacacg ctggatgtta cgtgccccca agagtccctg taacctcgcg ttaccaaaga 60
 gtcgtacaga agtgccctcct ccggtgttca taccagatat tggatgaatc aacaacagt 120
 aggattctga tgggtccgcc tcaaaagaaa attccacgt tgctcacgtg gactcttga 180
 gggaggaata tctacgttga aggatcatgg gacaactgga catcaaagaa actcgttgag 240
 aaatccggaa aagatcacac cattcttttg atgctttcat ctggagttca ccgttataga 300
 ttcattgtag atggagaaag aagatt 326

<210> 24526
 <211> 227
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-D6

 <400> 24526

ggcaaatgat ttatgttctc tgcgtttatt tccagaaaga gaaggagcat caaatcacga 60
 gtggttctca tgatattgaa gatgcattgc cctttaaaaa tataatagat ctcttcattg 120
 atcatcatcc agactcttca gctaaaactc ataactcttt ccctacatta tactttgaca 180
 tgtaccttgc agtgcattat attctgggtca gatcatctct gttcata 227

<210> 24527

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D8

<400> 24527

agcacagaga caccaagcgt tgaactcgcc taagcagcta tcaaccaacc ctagaaagct 60
 ggacaccgta cccatggctc gcgctagcgt cgtctttgtc attgccgctc tcctcttcgt 120
 cgccatggtc gtagcaccga tggccgaggc aaagtccgcc gatgcccttg tggctgacgc 180
 gccagccgat ggacctagcg ggccggctgc tgcacctggc ccccagggtg tcgaaggcct 240
 gtcaggcaat gaggatgacg atgatgactc caccaattga ggccacacac gtcggcccgg 300
 ttaaatttgg aacaagacat ggaagaaaaa tgatagcaat gtctataaaa ccatgataat 360
 gtgtgggtcat ccaatcatcc atggatacat gcttgtctta cctctttttc tgtctgcatg 420
 attgtcaatg tgttatcatg ctgttagtta actg 454

<210> 24528

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D9

<400> 24528

cccacgcgtc cgcccacgcg tccgcggacg cgtgggggaa agcaatcaca ggcggacgat 60
 ccgagcagag aaggggaggt acctgctacg actagctaga ttccacgcgc gatggcgccc 120
 accaggatcc gcgtggcctt gctgagcttg gcgctgggtg ggctgctcat ctgccacctc 180
 gccaccaccg cctccgccgg caagaacaga atccgcaccc tcgacagcgt cgacgactcg 240
 gccggggaca acaacagctc cgacgcctcg gccggggaca acagcaccga ctccgagtcg 300

gaaggccgcg tcgtctattc cgacatgaag ctggctgatg agacgggatc tgcgccggct 360
ccggcaccgg cgccggggcc gacga 385

<210> 24529
<211> 384
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E1

<400> 24529

cccaagcgta cggttgtagc atcgacctat atctgtaatt ctgtagctca ttgcgtatca 60
tgtgggcgag agatgaacac atatccgcac tctttctact gaaacaccag aaatatgcgc 120
tcttgctcca taattcgta acacaactgc aatggcggac ggtactgcca tgaaggccaa 180
ggctctgatc tcttgcaag gcacatactc ctccggctcc atgtacctg gtctgtctcc 240
agtgaggacg atacatcgac cacagctacc gggcttcacc tagtatccga acggccaatc 300
cttagacaca gagatcttgc tctgctcga tccaagcttc tttatcgga gtctgaccat 360
cacggacaat ctggtccata tctt 384

<210> 24530
<211> 218
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E10

<400> 24530

cccacgcgtc cgctatctcc ttgtaaact acatcagacg atgccccagc gcgtgccggc 60
gatttgatgc aagtatgcgg ttttaatttg taaatcagag tcgaccata ctacgcgaca 120
cccagtatca attttcactt gtaatgaaaa attacacatg tactcatttg ttgtacacaa 180
acaaacaaaa aacgttagaa tataagagga tgtttctc 218

<210> 24531
<211> 389
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E11

<400> 24531

gaactctcgc attccactat tccagtcacg gagagcgcgg ctgcggcggc gaggggaacgc 60

atcctttctc gcatcatggc cacctctacg gagccggagg gcgcgccgct cgccggctaag 120

gggcctaaag gagaggccaa cacgaagggg agcaacgaac atggagaggt cggcgcaggc 180

agcggcggcg gctcgcagaa gcggaagagg aaggaggtct tcatctacgg caactacagg 240

aactactatg gctaccggat tgatcgcaat gttggtgaag atcctcgcct tgaggcggtc 300

aagaaacagt ggtttgaaaa gaaggattgt ctcgatattg gatgcaacca aggtttggga 360

acgattggct tagccatgaa atttaaatg 389

<210> 24532

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E12

<400> 24532

cccacgcgtc cgccagatca acaatggggg ctgctggaat gagactagga acggaagag 60

tgtgtctgcc tgctcaaacc aagaagctaa aggctgcaag tgcccagcag gtttcaagg 120

cgacggagcc aacagctgcg aagatgtgga tgagtgcaag gagaagcttt tctgccagt 180

caaggactgc gcttgcgaga acacgtgggg aagctacgag tgcagctgcg gcggcggcaa 240

ctcgtgttac atcagagagc atgacacttg catcagcaaa cattccagct cgacgccgag 300

ctggggcttc ctgtgggtgg ttttcttggg ccttgccctg gccggagcag gagcgtacgc 360

cgtgtacaaa tacaggctac ggagctacat ggattcaaag atccgcgcga tcatggccca 420

gtacatgccc ctg 433

<210> 24533

<211> 284

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E2

<400> 24533

cacagttatt aagtagcaca actagacaca tactcatagt cgaacgcgaa tctcgttgcg 60

gtacacacgg ataatcacgt caaattacat gtactcatgt tcactatcac attccaacac 120
atcgataatc ttctcttcat cctgaaactg gacaccctaa tgtctcacac aatacaattc 180
gagatctaca gtgagcctaa ctgtccgcat gccttatccc atacatctga tccaatgaat 240
gcctctctta ttcttactgt acttcatgta catcaccttt cgac 284

<210> 24534

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E4

<400> 24534

acgataagat ggcgtgtcta gacaatgcaa tgagagccta gatccttata gcgctctact 60
gtggcgggca tgggtgagaag gcaaagtcaa aggacaacga tgcaaaagcg tccggggccg 120
gtgggtcctt cgacatcacc aagttgggcg cctccggcaa tggcaagacg gatagcacga 180
aggctgtgca agaggcgtgg gcatcagcgt gcggaggcac cggaagcat gacgatcctc 240
atccacaagg gcgacttgct cgtcggacca ctcaacttca caggcccatg caagggcgac 300
gtgaccatgc aggtgaatgg caatctgctg gcgaccacgg acctaaagcca gtacaaggat 360
catggttaatt ggatcgagat tctacgcgtg gacaaccttg tcatcaccgg caagggaag 420
ctcgacgggc acggggcagc cgtgtggagc aagaactcct gccgtaagaa gtac 474

<210> 24535

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E5

<400> 24535

ggaacatttg agtggatcat ggactgattg ttaggcctct tgaaagtccg ggtggtgagg 60
ggcatcaacc ttgcctaccg cgacgcaaga ggcagcgatc cgtatgtcgt cctacgactt 120
ggcaagaaga aacttaagac gagcgtgaag aagagatctg tgaaccccat ctggcacgag 180
gagctaactc tgaccgtcac agatcccagc ctagctctga agctggaggt gttcgacaag 240
gacacgttca gcagggacga cccgatgggg gacgcggaga tcgacgtggc gccgatggtg 300

gaggccgcga acgcgagccc tgaggcaagc ctgtggaacg gcgccatcat cctgtcagtg 360
 cggccgagcg ccacgaactg actatccgac aagagctacg tgtgctggaa gaacggtaag 420
 ttgcgcgatg acatgatcc 439

<210> 24536
 <211> 468
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E6

<400> 24536

cccacgcgtc cgcccacgcg tccggaaata attgggaata aatagtctgt gaatccctgg 60
 ggcgtgcata tatatattcc tgccaagata aaggtaatgg agtcgtcacg caggttccag 120
 ccggccgtca tctgtcttct cctgtctcatt gtgtccaccg atatggcaca ggcaagggaa 180
 tgcgagaagt acagtgagcg atttgttggg gcatgcatga tcgcagacaa ctgcgccaat 240
 gtgtgccgcg gtgagggcctt cttggccggc aggtgcagca ccttccgccg ccgctgcatt 300
 tgcactaggc agtgctaaac aagatcgctc gatcgctcgc catgcatcga caacctattc 360
 ttaataacgt tcattatctc gttcttattt atgacgaatg tcatgtatgt tctggtgact 420
 gtcatgtata ttctgatgac tgcatgtat cttgttcatg tatgctca 468

<210> 24537
 <211> 211
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E7

<400> 24537

gaattccctg togaccgact cgtactccca cgcgtccgcc cactcttccc taaatttttc 60
 tcaataaata catcgtaaat cccttagtca tcatatatag gttgctggca atatcaactt 120
 tatgtactct tcaactcaatt accatcctac tcatattctg cttatcattc tcattctttc 180
 catcattact actcatctca ccctaataatc t 211

<210> 24538
 <211> 472

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D2

<400> 24538

gaatcagccc tattacctgc ttgaggagat tctcccttca tctcttgtcc tgtacattct 60
 ggggaggatt cctgcaaagc tacggatatc ccagtatcac cccgtgagca gcagctagag 120
 acgaggcatt accatctgct gagccaaaaa tgggtgactgc tgacaagcta tgaaaaatca 180
 actgcaacgc cctctatata atatttgtat tggcagcctc tctgcaaaat atatataggg 240
 ataagacttg cctcggacat ttcatttcta gaccctactc acatggaagc catccaatat 300
 ttttccgtaa ctcacctatt gctaaccctg ttagttcaat ctgctaagtc tatgattttt 360
 agtgcttgag cataatgaag gaaagcacca ttgtaaaact gaactacatg aaaagttgaa 420
 catagattac tttctctgga gatgagtcta acagcgagtt accctttgga at 472

<210> 24539
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C1

<400> 24539

cccacgcgtc cgcccacgcg tccggcaaata taaagagggg tccgattgga actcgatcgg 60
 aaggaatgtc ctgcaggccg gctggccggt cgtcgatcga ggaaccaagc tgctgctgct 120
 gctaccggac gacaccaacc atgatacggg ggacgacggt gtgcctaggc ctgctgcttc 180
 tactactggc ggcgtcgact gcgacggcac atttctcgat cggcgacgtg gacgagtact 240
 tgaacaggcg cacgcaggag tcccgccaca ggaaccacgg cggcgcgag atcaatgacc 300
 tcatcttcag tgctgcgcgc ttccacgcca acgtggatgc acgcgcgtat ggtcgccgct 360
 ccaacctgca gctgcaggag gaagaagcag cagctaccgc ggtgcgtgta accaaagcag 420
 aagaac 426

<210> 24540
 <211> 435
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C10

<400> 24540

cccacgcgtc cgcagaaaag caagattttc ttcattgcct ggtccccatc ggcgatcccg 60
catacgtgct aagatgctgt actccacgtc gaaggaccgc atcaagtacg agcttgacgg 120
gttccactac gaaatccagg cgaccgaccc atcggaggtg gacatcgagg ttctccggga 180
gcgggctcac tgaagctggt tctccttttg aagggacctg tggagggccg tgaaccttca 240
gccagatgca aattcaattg tcaacgatga agctcccgcc gtggtgtttg ttaataagtt 300
cctgtaagcg tatcatttag tcgctatgca tgatactagc tggatgaagcg ctatctaagc 360
tgtaaacgaa gcaagatttg caaacttggt atattgtggt attgatgata ctggattact 420
ggctgtgggt taaaa 435

<210> 24541

<211> 388

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-C11

<400> 24541

gcgcaccgcc tccccgtgct ccctccttct cgcccggcac cgtcgagctc ggggtgtggga 60
acagaacaaa cccatcaacc atggcgaaact cggcgtcggg gatggccgtg agcgacgagt 120
gcaagctcaa gttccaggag ctcaagtcga agcgaagctt ccggttcac acgttcaaga 180
tcaacgagca gacgcagcag gtggtggtgg acaggctggg gcagccgggc gacacctacg 240
acgacttcac cggctccatg cccgagagcg agtgccgcta cgccgtcttc gacttcgact 300
tcaccaccga cgagaactgc cagaagagca agatcttggt catctcctgg tccccggaca 360
cctcgagggt cangagcaag atgctgta 388

<210> 24542

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C2

<400> 24542

ccgagagcga aagcaaagag ctgagcggga cggagcagct agcgctaggg ataacgcaca 60
cgggccacca tggcgacgcc cggagagcag ccggcggagg tcgtgtccgt cgagatgccc 120
gcacccgacg ggtggaccaa gaagtttact cccttgagag gggggagatc tgagattgtt 180
tttgtttcac caactggtga ggaaattaag aacaagaggc aattaagtca gtacctaaag 240
gcacaccctg gaggccctgc tgtttcagag tttgattggg gaactggtga taccccaagg 300
cgttctgctc gtattagcga gaaagtcaag gtatttgata gccagaggg cgagaagatc 360
ccgaagcgca gcatgaactc cagtggtagg aagggttaagc aggggaagaa ggaaaccctt 420
gagaccgaag aagccaaaga tgctgaaact ggcaa 455

<210> 24543

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C3

<400> 24543

cggacgcgtg ggcccaagca ccgcgtcgaa caaagcatcg acatacagac agccagactg 60
cgagggaaac cggctacgcc aaaaccaaact actctgtgtg cgtacgcgcg gcagtgcgcg 120
acgaggcgcg gtgcgcgcgc actggccatg agccggggcc gcgcacgccg gccggttcca 180
ggcagtggca cccgcgccgg cgcgctcgag gtcttgcgtc tcctggcgta cgacgtgctg 240
ctagcagcgt accccgccgc ggccgtggag gcagaggcag gggacgagga ggcggtggac 300
tacggcgctg cgctgtccaa gagcctgctc tacttcgagg cgcaacggtc ggggcggctg 360
ccgcacaacc agcgcgtgcc gaggcggtgc cactcggggc ttaccgacgg gctgcagcat 420
ggcgtggacc tcgtcggcgg ctactacgac gccgggga 458

<210> 24544

<211> 469

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C4

<400> 24544

ggctgacagg caccgacacg acccatgtcg tcaatgtggc gcgtttcccg ccgcctcctg 60
 cgcgccgccg cctcggcctc tacctcggcg atcgggcgcg gcgccgagcc ccgccggtgg 120
 gtccccccgc cgttcgcgct gcagcgctgc ggccacgcgt cgcttcgga cgcggcgagg 180
 agggacgggg aggaggaggt gacggcgcg gaggcgaggg ggctgatgcg gctgaccaac 240
 gtggatgcgc tcaagcggcg gctcggggac ggggaggtga tcccgtagcg ggacctgctg 300
 cgcgcggtcc aggactccgg cgcgccccgg acgcgcgcgg aggccgcggc gctcgcgggc 360
 gcgctcgacg aggcggcggt cgtcctgctc ttccgagaca gggctctacct ccagccccgac 420
 aagattgctg accttgtaag gaaagctatg cccctggcac tgacacctg 469

<210> 24545
 <211> 473
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-C5

<400> 24545
 gggacggacc tggtcgtgtg caaggagtcc tgcgcgctct ccagcagtc caacctggtg 60
 ctgtacggca ggatccagtg caagggaag tgcaccgagc agaagggcat cacggcgccg 120
 gccatgaagg tctgccagga ggagtgcgac aaggcgtagc tggatgaagg gcccgaggtc 180
 accaaggcct gcagcgtcac ctgcgccaag gagaagaacc cgcgccctcag cgagaactgc 240
 aagaggctct gcacccctcc tccttcttga agcgaagccc cttgaaatga atgaaccatg 300
 catgcatgca tgtatgcatg cgccgggggtg acgtggcggt cagctcaggc gctgagcgag 360
 tctatacgta cgtcgtcacc ggctggccac gcatgagata accatctgat atggacggaa 420
 ctatatattg gattcctatt aatctggcat tntctaagct aattgttttt ttt 473

<210> 24546
 <211> 451
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-C7

<400> 24546

cgctctcgca ccagtccectc ctctctggaa gcgagggagg agagtggagg gagagggagg 60
 agcgaggcac cggtagagctc gggaggcggc gtggggcttg cacgccggcc ctacccccag 120
 ctactcacc acgtctctgt ctgaccaact ctctctctct cttatctctt tccaagattc 180
 ccccatTTTT ttgttgttgt cccccccatt cttgctagga tcattctctg atctttcgct 240
 cgctccagta cgctgtttt ccagctccgg agatcccatc tcggccacct cctgcggtct 300
 ccaagctcca agaggccaga ttccagcaca aatttgaggt caatttgccc gctgagctcg 360
 aatcaatccg ctgggcaaca agtgtcattt gttccccga tccccgggct tcgattcgat 420
 cgaatccgac ctaattntat tgngtgtgtg t 451

<210> 24547
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-C9

 <400> 24547

gcgcgcagag caagcagcag gcgtgcagcc gcacgtgcga gtcggaccac tggacgagtg 60
 acgtacagtt aaccgcctc ttcatgata ttctgcgct ctcaccggcg ttaattcttt 120
 gcgacagcgc cgccgttctt gcgttacggc aagtactgcg gcatcatgta cagcggtctg 180
 cccggcgagc cgccgtgcga cgcgtggac gcctgctgca tgcaccacga caactgcgtc 240
 caggcaaaga gtacgtctgc gttgctccag tcgtcgtctt cagttcctat agctccagta 300
 gtgaatcttc agttcctata gctccagtag tgaatcttca gttcgacagc acgcacggac 360
 gtgggctgac gacggctgct gcgcgctgt tgtgtactac catgtgcagt ggactacctg 420
 agcacggnct gcaacg 436

<210> 24548
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-D10

 <400> 24548

cccacgcgtc cgcccacgcg tccgcggacg cgtgggttca ctaatccaag acggaacgtg 60

gctgtgaatg tgagaaccat gtggtcgtcg atgcggggcac aggttgcgat ggttgtggcg 120
 ttggtgttct tggtgagcgg cgcattggtgc ggtcctccca aagtecccc aggcaagaac 180
 atcacggcca cctatggcaa ggactggctg gacgctaaag cgacatggta tggcaagccg 240
 acaggtgccg gtcccgacga taacggtggc ggctgcgggt acaaggacgt gaacaagccc 300
 cccttcaata gcatggggcg atgcggcaac atccccatct tcaaggatgg tctgggttgt 360
 gggctctgct tcgagatcaa gtgcgataag cctgtggagt gctccggcaa gcccggtgtg 420
 gtgcacatta c 431

<210> 24549

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D12

<400> 24549

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccggc cggcggacgt 60
 caaaggggtt gccctcatcg gcggcagcgc caacagcacg gtcgctgggg tcattcactt 120
 cttegaggac ccctccacca ggtacaccga ggtgaggggc aaggtcacgg gcttgactcc 180
 gggaaggcat ggattccaca tccacgtctt cggcgacact accaatggct gcaactcaac 240
 cgggccccat tttaacctc ataataaacc ccatggagct ccatttgacg atgaacgaca 300
 tttgggcgac ctgggaaaca tagtagcaa tgaagatgga gatgcagaag tgttcataag 360
 agacttacag atttcattga gtgggcctca ttccatactg ggaagggcag ttgttgata 420
 tgctg 425

<210> 24550

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-B9

<400> 24550

cccacgcgtc cgaccacgcg tccgactctc tcccttcgtc accatcacat cgagccagcg 60

aacaaaaatg ttgcgcgtca cagctgccgt gctcttctac atcctcgccg ttgctgccct 120
cagcgcggcc gacgccccgg cagagtcacc gaaggaaggc agtgctgcca aggcacctga 180
gtctgccaag agaactgctg cccccgctga agcaccgaa gccgcattca cccccgtcgc 240
cgccgctgcc ccacgcgcgt cgtctaggaa gtctggtcca gctaccgcgc cagccaccgt 300
ctctacaccc ccttcttcca cggacgagga gttgagccct tccccgccag catccaccgc 360
cgcgcgctcc cctgcggctg anggaccggc tgctgatgac tccgncggtg ctgctgccct 420
tggaagtgga ac 432

<210> 24551
<211> 281
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A3

<400> 24551
tcaccacgtc cgactgccct ctccaaactc taaccccgac gtgcctatcc aactcgtcca 60
gcggcgctga ccaacgatgc acaaattacc acagaccagc catcggttac acaactgacc 120
aacttggtga gcacctacag aaactcaaga gacattacac gatctacgat caccctgaca 180
tattgacaga tgctgtacag gctatacatg tatgacatat aggatgtgca ctgagcaaca 240
atctactctt tatacacaag aagcatgtgt tatatgttat a 281

<210> 24552
<211> 468
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A4

<400> 24552
cccacgcgtc cgcagcttta gacgaagatg gccaatctcc tgaaacatat gccagttga 60
ggaagcataa ttcatataat gagcttgtag cacaaaagct ggtggacatg aagaacagcc 120
aggttactat aacggtcaat ggcgatgaaa ttcatatgga tcagttaggg aatgttgatg 180
accgtaaaaa atctgggggt caggcattgc aaataagatc ttgctcccag tgtgccattt 240
cggagtctgg tgtgttaagg cagcctatgc ggtcaagggg actgcttgct cggccttata 300

ttcattcaat gcttgctata gcagcagtct gcgtatgcgt ctgtgtattc atgcgagctt 360
 tgctgcggat caattctgga aaatccttca agtgggagag gctggattac ggtacaatat 420
 aattgtgggg acacacctga gccttgtggg attattaagt taacaagc 468

<210> 24553
 <211> 459
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-A5
 <400> 24553

cggacgcgtg ggcttgcctt ctcccgacga ccacgacccc ggctggctgc gccgcttcga 60
 cgccgagctc ggccccgtgc accggtactt cgcccgagac gcgcccgtgg acgtgcggca 120
 gcggatcgcg tacctgttcg cgatcctcga ccggtcgtcc agggacggcg gcgtcggcgt 180
 cggcgagctg gaggcctggc tgcgctggca ggccgccgcc cggctggacg ccgtcacgcg 240
 gagggagatg gctccgcacg acacggaccg cgacggtgcc gtcacgctgc gcgagttctt 300
 cgcagactgg atcaacatgg gacatgacaa aatgggggtg tggatgcaca agtttgcgag 360
 cgcgacaga gacggggacg gctcgtctaa cgccgtcgaa ttcaacgact tcctgcatnc 420
 tgaagacagc agccaagaga gcgtgatgct gtggctact 459

<210> 24554
 <211> 374
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-A6
 <400> 24554

aagtagacga cgacgatata cccaatgca tggcaagaag atatatatat cagcacaacg 60
 cgtgctgcat gcgatgctgc ttgttgctgc aattgatcca ctatactata ctataggagt 120
 attattaatt ccagttgcag catgcatgat gatatatata tgtgtctcta tatgcatgcg 180
 ttggtctata caattcagat atgcatggtg tatacaagtg gtagctagta cgcacgtaca 240
 catccagtca ttaatttgta cgtcttcgcg tgcatttggg ctgtcagctt attaattaaa 300
 gtacatactc ttactaaaa aaaaaaaaaa taatcaacaa gaaatatcaa aaaaaaaaaa 360

ataaagaccg aaac

374

<210> 24555

<211> 479

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A7

<400> 24555

cgacacacgc gtgcgcactt tagctatgaa cgattgatat caaagtccac tgacagtgtt 60
agtgagataa acaagaggcg cagagagaca tatttggtgg acagtgaatt cgagaccgta 120
tttggcatga ctaaggagga gttctacgag cagccaatgt ggaagcagga gttgcagaaa 180
aagaaagccg atcttttctg agacaaggct ggcttcgaac taataaaagc ccttacgtcg 240
cacaggattg tccagcattc tcatcatgct cgttacgtcg atgatgatcg atcaccagca 300
gctttatccg tgagttgtat aggctactct tttatctgca catggtttgt gagcattata 360
tatatatccc acttgcccggt ccattattct gaggtcggtc ttgatgttga cctttcacgt 420
gttttctttt tttattgtat tataaaagat caaactgggtg taaatggcat tactagtga 479

<210> 24556

<211> 475

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A8

<400> 24556

cggacgcgtg ggtgacgccg ccgccgccgc ctccgtgcct cgctgcctc ctcaccctgg 60
tgctcctcgc cgccggggcg gcgccaccgg ccggcgccat ctgcgtcccg cgcaatcccg 120
gtggccacag caagccagga gcgccggcca agcccgcgcc accgaaactg aagcccctca 180
cgcccgcggc gccggcgccg ccgaagccga cgccgatggc cccggggcgcc gacatcgtgc 240
ggagcctgtg cctgaagacc gactaccccg acctgtgcat gtcggccatc gcgaagcagc 300
cgcagccgca gctgccggtc gggaagcggc tggacggcgc cggcgtgctg cggctggcca 360
tgggcgccgt gcgcaccaag gccgtcgagg ccaaggccgc ggccggcgcg ctcgccaacg 420
acccccggac gcagccgctg gcgcgcggcc cgctgcacga ctgcgtcgag tcggtt 475

<210> 24557
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A9

<400> 24557

```
ctcttcctgg tccaagtgat cttgccaaagt tacgagcagc gagcagagat cagatcatgc 60
atcggcaatg tcgaacatcg ggcagtcctt ccaggccggc aaggctgagg ccagggcgga 120
gtaccaggcg gagcacgcgg cgcagtgcgt caaggacacc gccgcagccg cggccgacag 180
tgcgagctg cagcagcacc gccccaccgg caccgttgag caggtggcgc agacggggcca 240
gggcgtggcg gcaggcgtca aggacacggg ggcgggcgcg gcggttggcg tcacgaacac 300
ggtggcgggc gtggcgggcg gcgtcacgaa cacggtcacg ggcgccgtgg cgggcgtcac 360
gaacacggtg accggcgcgg cggctggtgt caaggacacc gtgaccggcg gc 412
```

<210> 24558
 <211> 379
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B1

<400> 24558

```
ctgcctcgac ggacgcgtcc gcccacgcgt ccggactagt tctagatctg ctgcattttt 60
tatgcaatat ttggggaagc tcgggtggag ccaatggcgt tatcagagcc cacaaattgc 120
cagcctaatc gagaaaagtg cattaggcat ttaccaaagc ccatgatgca aattttctca 180
ttaacattgg gtaaaattcc catcgaaaga gattcagtag aattatatgg ttacatggcg 240
gtgcgggatg atcaggattt attgcttaat tatattgtca atcggagcat ggatgaagcc 300
atcttactgc aaaaggattc ccttatcgaa atgactggcc ctaagccagg catctcaatg 360
acatcctctg tacatgctg 379
```

<210> 24559
 <211> 90
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B10

<400> 24559

gcgtattggc ctatgagaat cgccagaata tttcactgtt ggatctgtac tatagcctgg 60

tgctgaatgt cgtataaggg ctagttttgc 90

<210> 24560

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B12

<400> 24560

ccgcccacgc gtccgcccac gcgtacacgt ttacatgaac agacacgtat accgggcaat 60

gtataatttc gaaattttcg aaccaatacc tgctaacgtt caagatacta atatacaaat 120

gctactacat acttacttac caagaacatg actatacttt tataaatttt atatttttat 180

attatataat ttttcttata tatatttata taaattatat tatattaat 229

<210> 24561

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B2

<400> 24561

cccggtcgac gcgacgcgtg cgcgcccac cctacacgag tacgagtacc taacatacga 60

gtatacgacc acgagtcac gagcagacga gtcctgcgc caccagtgtc atcgcgtcgc 120

cgtcgcgctc gcctcgccct cgtccatggc gtccgtgtcc acggcgccgc gcgctccact 180

cccggcggca gcgtcgctct cgttatccgc gcggcaagtg gatccgaacc ctagcggcag 240

ccactttttc gaagggcggc gcctccgct cgtccgccc ctcgcccggc cggccccgtc 300

gcggcgcgct ccgttgggtc gctgctccgc gcgtagtccg gacgcggacg ccggcgacga 360

gcgacgccgg cggcgttggg acgcgatgct tcacgacgcc ttcaaggggtg ccgtgcgacg 420

gtggagcgag tacgtcagca attactggcc cccaccgacc tctgttaacg ag 472

<210> 24562
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B4

<400> 24562

cccacgcgtc cggaagaaag cttctgtctt tttcaagact aatgctgatg ggaacacaac 60
atgtgccaaag gaaatgacaa agctctctgg catctctgaa atcatcccg agatggagat 120
ctgcgatttt gactttgaac cctgtggcta ctccatgaat gcgatccatg gctctgcatt 180
ctccacaatc catgtgacgc ccgaggacgg tttcagctat gccagttatg aggttatggg 240
cttggatgcc actgctctgt cttatggtga ccttgtcaag agggtccttc ggtgctttgg 300
cccctcggag ttttccgttg ccgtgaccat cttcggcggg cgtggccatg ccgggacatg 360
gggaaaggca cttggtgcag aggtctatga ctgcaacaac atggtggagc atgagctgcc 420
tggaggcggg ctctctgtgt accagagctt ctgtgctgct g 461

<210> 24563
<211> 210
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B5

<400> 24563

ctagatcgcg agcgccgccc tttttttttt tttttttttt tttttttttt ttttttttatt 60
ggttttttta atattttttt ttatttttat aaaatttttt atttatttat atttttatta 120
tttatttttt tatattattat aatatatttt ttaaatttat atattttaaa tgtattctat 180
aattttcatc tattttttca tttacaatat 210

<210> 24564
<211> 296
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B6

<400> 24564

tcccactcgt cctcccacgc ttccgccac tcttccgatt caccaagcgg aacacctcat 60

gtgtctctat ttaaaacgaa cctctgtatc atcagaccta tcattcaata tatctactat 120
aactcatatc acttttcaatc caattcatat ttcataaatc ctatccatct ctatccatat 180
tatacaatcc atcatatgct ccatgaccta ttcacctatc ctatttatca agttatagcc 240
tttcatacca ctgatctgta tcatgtccac catctcaaca ccataccttca attctt 296

<210> 24565
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B7

<400> 24565

cggacgcgtg ggccggacgcg tgggcgacgc cgtgggctcc ccttcccctg ctctctgacc 60
gcctcaacga gcttctgctc cgacgacgac gacgtgccgc cacatccaca tggcggacga 120
cgccgtcgcc ggccggagcgg ccgttcgctg cgcagggccg gcgccggcct cgctgtcttc 180
tagcaggaag cagcagcagc agcccgacga cgcgggctgc ggcagcagcg acgaccacta 240
ccagcacgac gtgatcatgc tgaggcggac gaggagcggg cgggcggttc cgccgccgat 300
ctccgtgatc ggcaagggcg ggccggcgtg gctctgcctg cgggcgcacc gcgaggtg 360
acgcctcgtg ctgcggcaga tgcgcctgcc gtcgcaggag ctgctgcagc cctgcaagga 420
ggacggcagg ttcaagctcc tcatgcaccc gga 453

<210> 24566
<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B8

<400> 24566

cccacgcgtc cgatcacaat aagatggcgt gtatagacaa tgcaatgaga gccttgttgc 60
gggttagcgc tcttctgtgt cgtgcatggt gagaaggcaa agtcaaagga caacgatgca 120
aaagcgtccg ggcccgttgg gtccttcgac atcaccaagt tgggcacctc tggcaatggt 180
aagacggata gcacgaacgc tatgcaggag gcgtgggcat cagcgtgcgg cggtagccgt 240
aagcagacga tgctcatctg caaaggcgac ttactagtcg gaccactcaa cttcacaggc 300

ccatgcatgg tcgacgtgac catccaggtg aatggcaatc tgctggcgac cacggaccta 360
agccagtaca aggatcatgg taattggatc gagattctac acgtggacaa ccttgtcatc 420
accggcaagg gaaagctcgt ccggcagctg ccagccttgt ggagcaagaa ct 472

<210> 24567
<211> 358
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-007-Q1-K1-A2
<400> 24567

tcgtacggcc gacgcgtgcg aactcgacga cgacaatctt cccgaatgca cgccaacacg 60
ctatatctat cagcacaacg cgggctgcat gcgaggctgc gggccaacta aactgatcca 120
ctacactatc ctatactagt ctacttaact acacttgcag gctgcatcat gatgactcca 180
tgtctcactc tatccatccc ttggtctata cactctacca ctgcctggcc tatacaagtg 240
gcagctattc cacacttaca cagcagtc ttaatgtata cctacttccc tgcatttgcg 300
ctgtcagctc tatatattaa agatcctact ctctactcac acgcgctact cagctaca 358

<210> 24568
<211> 446
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-006-Q1-K1-G6
<400> 24568

gttgagtata agaacattag cttcactgtt tgggatgttg gtggccagga caagatcagg 60
cccctgtgga ggcactactt tcagaacaca cagggactta tttttgttgt agacagcaac 120
gacaggtaac gtgttggtga ggctagagat gagctccaca ggatgctgaa tgaggatgag 180
ctgcgtgacg ctgtgctgct tgtatttgca aacaaacaag atcttcccaa tgctatgaat 240
gctgctgaaa ttactgacaa gcttggctctg cattccctgc gacagcggca ctggtacatc 300
cagagcactt gtgctacatc tgggaaggg ttgtatgagg ggcttgactg gctttccagc 360
aacatcttca gcaagtcttg aagcttttcg ggagggcttc taacgagagg atgtctgaac 420
aacttatggc tgcttttttt ttacat 446

<210> 24569
<211> 330
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G7

<400> 24569

ttttccacag aggaagtagg gattgattta atcattgatt taatcccaca cgcgtgtatc 60
tacgtataca gtttgtataa catgaaccac ctctgtttgc gattgggtcta aaaataaata 120
taatacttat ataaaaaaaa aaaaaaattt gaccaaactg tactgtgatg tgtaacaatg 180
ccacaacaca gtacttgaag gcaaacgtat gtagattaat tagcagaacg acaacctgtg 240
atccatcctt gctttcttcc atgaaatgaa acgcagccag cgcgacctgg catggccagg 300
cccccttatg gccaaagatca agatcgggat 330

<210> 24570
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G8

<400> 24570

ccccggccaa ggatgttctt gctgttcaat tgggacttga tgtattcaat atctactgat 60
cctgcaattc aatatactca agtcatacc atgttctgga tctttgtaaa acaaataagg 120
gttcctgggc tggctctgaa tctcagctt ccaaaagatc actgccattc ctagcacagg 180
attttgaatc agatattgac acaagacttc tgaagcttgt aaataagatt gcttctggat 240
cttgtgggga catgtttctt gggacctaca gtggtgagga ggttgctgtt aaagttctta 300
atcctcagaa tttgaacaaa aatgtatgga gtgaatttaa gcaagaaatc aacatgttaa 360
gggaagttga tcatccgaat attgtccgat tcattgggtc atgcacaaag gcacctcagt 420
tttacataat 430

<210> 24571
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G9

<400> 24571

agcacagagc tagctagcca gccagccagc agccagcttg ctgcgcgcgc ccgtccttct 60
gcctcgcttc cgttccgttc cgttccgtcc cgccgcgcgt cgccgcgcga ttcagggatg 120
gagatgaaga agatcgcttg cgccgtcctc gtcgcgcgct cggcggccac cgtggcgctc 180
gccgcggagg ctccggctcc gggccccacc agcggtcctt ccgcgcgtcg gcccgccgtc 240
ggcgccgccc tcggggccgc cgtcgcttgc ttcttcgctt actacattca gtgagccggc 300
cgcgcccggt cgcccgagg ccgaggaaga gacgaagcgg gagagagagt gacatggctg 360
cgcgattccc gatgcgtggg catgtttttg attcgacaca ctttttgtcc tctttttctt 420
tggtccctct ttctcctt 438

<210> 24572

<211> 349

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H1

<400> 24572

acaggatgga cctcctggag acgtccgccg ctgtccgcaa gagcttctca gatcggcact 60
gcacggcgcg gatcgagaac ctgacctca gctgcctgga ttctcccgga agaccaacg 120
tcgatacccg ggaataccgg gtgtttgtag gcacatggaa tgtgggaggg aagcctcctg 180
acagcagcgt taacctcgaa gagtttctgc agattgaagg attgcccgat atatacgtct 240
tggggtttca ggagatcgtg cctctgaacg cgggcaacgt gctggtcgtg gaggacaacg 300
agccggcggg caagtggatg gagctcatct accaggccct gaacaggcc 349

<210> 24573

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H10

<400> 24573

ctcatgctgg gaacggtcgg cttccgcgcg tcgctcttct tcgtgcgcca catgtaccgc 60

tccatcaagt gcgagtaagc gccggacgtg cgcacgcggt ctggcatgct catggctgtt 120
gtttgggttg cttgggatcc aattgcagaa accgtcacca gttgggttgt gcatgaattt 180
atatgctgaa gcgccagcag ttgccctcag tatggacctc ttgccttta gcctttatat 240
atatacgttg gagctcccgg agaggaggat ctatgtagtg taggactgtc gccagaggca 300
gtgtctgtat tattatctag tacacttgta gtggagccag tgtcaacctt caattgtgtt 360
gctgaaacct gtgtgttgct cagtagtgca taccatgcac agtttctttt gggt 414

<210> 24574

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H11

<400> 24574

cattctctct ctctctcttc ggcttcttc gcgtgtttcc ctcttttct taggccgcc 60
tctacacttc tcgacataac catcgagagg gcggtcgaga gaaacgagag cggcagacac 120
catggggagc tcgaggacca tcgttgcgtc cccctgctc ctctcgccc tcctcctcct 180
ggctttcgcg gccaccgccc aggcccgct tgtccccgag ctgtttggcg aggaccaatt 240
ccagcggaca tgcaaccagg tgcacttcag gaagatgtgc cagagcttga cgaggctccc 300
gagggtgaca acgccgcgag aactgctgct agcgtcgatg cgcgtcgcg cggagaaggc 360
cagggaggcc aagagccggg tggacgagtt cgcggcgagg aaccacgagg gccggccgat 420
ggagtcca 428

<210> 24575

<211> 210

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H12

<400> 24575

catacgtgt caactgtctg gttcttcgag tcgtgtcttc ttgtgcgcca tatgggccg 60
tctatactgt tcgaggtaac catcgacatg cccaccaga caaacatgct catggctcac 120
cattgggagc tttaggatca tatttgcgaa accgctgcta cttgtcgtcc tcatgaatct 180

atattctgaa gccaccgccg atgccctcat 210

<210> 24576
<211> 347
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H3

<400> 24576

tcgcgtccat ccgagctaag taattaggct gaaaatgacc cgtgccagca gcagtagcag 60
ggggcggcgt gtgacgctgg tactgctcgg tctccgcctg ctgcttctgg ttggtgttgc 120
gcatgcggta gtggagttgg tgcttctga tgataatata gccgtcgccg ctgctggcac 180
ggcgggtggac gatggcgagc cgactcagca gtgcgcgacc ccggtgagcg tggatgaagc 240
gtgccgcggc gcgttcgata ctcacgccgg cgtggcctac gaccactgca tggcgtcgct 300
gggcgccgac tccgcgcagt aaggatggcg ggtacaagaa catgcac 347

<210> 24577
<211> 364
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H5

<400> 24577

cccacgcgtc cgcccacgcg tccggccatg gacaagggtc ccacggaccc taataagggg 60
acgacgacga tatacccca tgcatggcaa gaagatatat atatcagcac aacgcatgct 120
gcatgcgatg ctgcttggtg ctgcaattga tccactatac tatactatag gagtattatt 180
aattccagtt gcagcatgca tgatgatata tatatgtgtc tctatatgca tgcgttggtc 240
tatacaattc agatatgcat ggtgtatata agtggtagct agtacgcacg tacacatcca 300
ggcattaatt agtacgtctt cgcttgcat tgggctgccg gcttattaat taaagcacat 360
actc 364

<210> 24578
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H6

<400> 24578

cccacgcgtc cgccagcccc agctatgcc gccgagccct caccacgga tccgaggagc 60
tcctaccct ctgtccatt cgtcgctccc ggccgcacca gctgtcgatg atgacgagag 120
ccaaggatg actggcacgg aatccccgc accatcccc atgagcggat cgatattatt 180
cgcagagggtg gaccgcttcg cgggagggtgc gggctcccct ccacgtcgt cctcgtcggc 240
ccaatcgccg atcgggtcga ccccggtttc tcaaactatt ttattacaag gacaacctac 300
ccagcgggag caaggttcta tcatgcctat ggatattgct actgtgagaa acacaaatgc 360
gaatgtggca gtgccatcat gggacgatac tcttgc tctctt 406

<210> 24579

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H8

<400> 24579

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga tgcaccgcgg aattatcgtc 60
ttcaactgat cgagaattac aggaccatat cagacagtgg gaagggtcct atgggcaggg 120
tgtactcgt aggatgccgg atggtggcga gaagatgcat tcacgtgtcc tccggatgaa 180
gaaggagctc gagcggcgga gggccagaca gaggatggat gtcacgccct tgagacagac 240
agtgcaagct aagcgtactg gtggcagcag tggagaaatc tacaacttaa agtctgatga 300
tgagaccatg gacagtacgg ctacaaaca ctatccaaac tcaagttgta ctacatctac 360
aaagacctat acccagggtta aaggagctgc atatgaagaa ca 402

<210> 24580

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H9

<400> 24580

cggacgcgtg ggcggacgcg tgggtgcgg tctaggccag gcacgcgggc gcggcggcga 60

ggcgggctca accgcgacag cccgaccaca gcagtgcggg ggcgcggccc ctggttaagcg 120
agcgggcgcg acccccggtc cgggcgcgac agctcggcgg ctacacgggcg cgcggcccag 180
ctcggcgtct cggacgcggt cgaccgaccc tgctagcgta gacaccggcg cgcggccttc 240
ggccagagtgc caggcacgtg gcccctgcag cacggaccca gcggctcgtg atctctggcg 300
acctatcgag ttagcgtggc ccgacgcgag tacatcggct tctgcgcgcg gacgcgaaca 360
caccgacccg tcgagc 376

<210> 24581
<211> 152
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A1

<400> 24581
caaaaaaac acatgaaaat gattactacc gattaccacg accccaata atcgcaccaa 60
ttgtgcggcg tactaaaggg ggtgcaccgg tacttcggat ccagacgcgc cgatggacgt 120
gcgctagcgg atcgcttacc tattcgcgat cc 152

<210> 24582
<211> 376
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-A10

<400> 24582
cttcgcggag gccatgtcgg cgcgcgtcgt cagctcctgc ctaggcctgt acgcgccgat 60
gccgccgggc tccccgcgcg cggcgcgcct ccacggccgc gtggccgcgc cgttccaggt 120
gttcaacggc atcagcccct tcgtcaagtt ctgcacttc accgccaact aggccatcca 180
ggaggcgttc gagcgggagg agcgtgtgtg catcatcgac ctcgacatca tgcaggggct 240
gcagtggccg ggcctcttcc acatccttgt ctcccgcccc ggcgggccgc ccagggtcag 300
gctcaccggc ctgggggcgt ccatggacgc gctcgaggcg acggggaagc gcctttccga 360
cttcgncgac acgctc 376

<210> 24583
<211> 364
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A11

<400> 24583

gacggcacgc gtccgagcca atcgactgcg tacctcattt ttcttcgata atgtagcttt 60
tgctcagagc agtgtcaggg cgcataagac ctgcttctgt cgattttttc tctgatcatt 120
tgccgctcaa accattcatc aagcttttac tcgtcagata gattgttcaa gtcaccggag 180
cacggcatgg acttcagccc tcaaagaaag agcggcgaac gcgatcccg t cagcttcgtc 240
gaacacgatg acagtgatga cgacttcgga gctgaatcca ccgcctctaa taagccgtct 300
gcgcattcgc acgacaggac caaatccaag cccaagacga gccatggcag ttcaaccac 360
gcga 364

<210> 24584
<211> 293
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G5

<400> 24584

aaaaaacata aaatcaaaaa aaaacaatta aaaaaaaaaa aaacataaaa aaaaaaagag 60
gaaaaaataa aaaaaaaaaa aagaaaaaaa aaaaaaaaaa aaagggccag ccgtttttta 120
gtccccaagt ttaattccgc ttctttccaa ttctttaatg tttttatcgt gatctctaaa 180
ttcaatacct tgaccttctt ttaacactat tcagtctgga aaatcctttg cttgctcgat 240
ctaattcggt ttgtgtccga tctctttttc tccagctggt tcaatcttaa aaa 293

<210> 24585
<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A12

<400> 24585

cccacgcgtc cgcgtccccg tcccccgct ctaccatgct cctcgcccct ccgaacgtgg 60
tctctccat ctacgccac aaccaatgca cgcctccggg ctacgccgc gccaaagccc 120
tgaggagggc gatctcgccc acaggccgca gatctccttc caaactagga ggcaacagcc 180
tggcaagggg cgaccttgca tggtaggcgg cccctttcca caaaggacac aatttcaccc 240
ccttccatat ttggcgggtca tggcatgcac taagccccct tctcgcccct cattccaaat 300
tcagccctca actgtgcatg caccacctc aatcgactgc tattgtctga atcgacagtg 360
ctattggtct ggttggttgg gacttg 386

<210> 24586
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F1

<400> 24586

accgtcgttt ctcggtatat attggtgtct atcttctgtg ccatgggtaa ccgacaactg 60
cataaggaag gcatgatgtg cacatagtgt tttttgctgt gcatgtatgt gcctgtcacc 120
ggagtccggt gggcagcagc cattgcaatt gtttcttgtg tagaggaaag ctacatatta 180
tgaagtgatt gtgagaactc aattaaagat gtgaacttaa cataaaaagt gcttcttgtg 240
ggtttggcta tgaccttgta ggtctatgag aattcggtgt ttggattggg gtttatttgt 300
ggctattctt gtgtcttgac atgaattcag ttacgacgag tattttatgg ctatgctaata 360
gtaatatctt tg 372

<210> 24587
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F10

<400> 24587

catcatcgtc gagatcatcg tcatgttccc gatccagcac cgcaggtagc gcagcgggat 60
cgagaacctg ctggtgctcc tgaatggcgg catcccgatc gccatgccca ccgtgctctc 120
ggtcaccatg gccatcggtc cgcacaagct gtcgcagcag ggcgccatca ccaagaggat 180

gaccgccatc gaggagatgg ccgggatgga cgtgctctgc agcgacaaga ccggcacgct 240
cacctcaac aagctcagcg tcgacaagaa cctcgtcgag gtgttctgca agggcgtcga 300
caaggaccac gtgctgctgc tggccgcgag ggcgtcgagg accgagaacc aggacgccat 360
cgacgccgcc atggttggca tgcttgctga ccctaaggag gccagggctg gtatcagga 420
gatccacttc ttgcccttc 439

<210> 24588

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F12

<400> 24588

cccacgcgtc cgcggacgcg tggggttcta gatcgcgagc ggccgcccgc gatgtggaac 60
gtgctaataag aacgcgagtg accatcagcc ggactacgat cctagcgctc atggatacac 120
taactgccac ggacgtcgat tgccacaact catctcacga tcgactatgt agatcaatac 180
ttgtccaaac gcacgccaga ttcccgacac acgaacatct gtagcacgct cattgatcac 240
ctaattctcca atgcctcgcg ctttcacacc aacgtgcatg cacacgccta taggcgatga 300
tccttcctgc cggacgaggg atcagctacc ggtattacca aagcgcaagc tc 352

<210> 24589

<211> 366

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F2

<400> 24589

gttcggagcg cacacacaca caaccagatc tccccaaat ccaccgctcg gcacctccgg 60
ttcaagatgc agatctttgt gaaaaccctg accggcaaga ctatcacctt cgagggtggag 120
tcgtctgaca ccattgacaa cgттаaggcc aagatccagg acaaggaggg catccccca 180
gaccagcagc ggctcatctt cgctggcaaa cagcttgagg acgggcgcac gcttgctgac 240
tacaacatcc agaaggagag caccctccac cttgtgctcc gcctcagggg aggcattgcag 300
atctttgtga aaaccctgac cggcaagact atcacccttg aggtggagtc ctctgacacc 360

attgac 366

<210> 24590
<211> 230
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F3

<400> 24590

gccaccgtcg cgaccgtatc ggaccgggga tcacttatca gcatactcgg cttgaggcac 60
ccatacgtac cctagatggt atctcattac cttgtaacct ctgaatcact tgggtagtcg 120
ctatgcttta catggttttg ggaaatcatt tatcacctct atgttcatt cttgtattta 180
ttctgttgag ttcattgtgt tatcataatg ttaattggaa catatagctt 230

<210> 24591
<211> 77
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F4

<400> 24591

aagaactatg tggttcgtaca tggtactgac cttatcatta tttgtacatc taaatttgga 60
tttagaatgc tgatgat 77

<210> 24592
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F5

<400> 24592

caatacggca aagaggagtc gacaccgtcc gccccatgta ctcggtgtcg gtgtggggct 60
gtgggcgcgg cgctgcgtgt gggcgctcct ctgttcggca ggaatcctcg ttgcctcctc 120
actactccaa tctccatcgc cattgtcggc gcaagcaaag gggcggagca gcatggcggg 180
gcgctatgac ggcaaccctc tcgaggagga agacgtgaac cttttctcgc aacaaacgcg 240
cggcaaggct ggcgggcaat ccaactttgg cgggtggcgcg ttttatatgc ctaaccccca 300

aaacgtgcct ccgacatcca attcacgcct ttcgccgctc cctactgaac cggcagactt 360
tagtgctaca 370

<210> 24593
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F6

<400> 24593

cggacgcgtg ggccgtcgcc cgccggggag ccgtcgtggg ggagaggtac cgccacgggg 60
gcgccgccga ggagctgccg gagagcgtcg actggaggga gaagggcgcc gtcgcgcccc 120
tcaagaacca ggggcaatgc ggaagttgct gggctttctc tgcagtaagc tcagtggaaa 180
gcgttaacca gatcgtcacc ggtgagatgg tgacactgtc tgaacaggag ctcgtagagt 240
gctcgactga cggaggggaac agcggctgca acggcgggct catggacgcc gctttcgatt 300
tcatcataaa gaacgggggc atcgataccg aagatgacta cccttacaga gccgtggacg 360
ggaagtgcga catgaacagg aaaaatgccc aggttgtgag 400

<210> 24594
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F9

<400> 24594

aaaaaaaaa aatttagcgt cggctgggca gacggtggcg gcgcgcgggg ggagcgagct 60
ggcacgcgcc cttctccctg cttcatctg ctccatctgt tcaagaacac gccagagaat 120
tcaagtgtcg cattgcactt gcactccgtc gagccccgat ccatgcctgc gcctgcccct 180
gccatcgccg tcgtcgtgcc gccgccgccg tcgccatcgc ttactggctg cgacggctgc 240
tactgactga tcgtctctga tgtagctata ggtacctctc gattggcatg ctgttctgat 300
aacttctaac gagcctcgaa cacaaaacaa agccgctctg ccaccggctg cactggcg 360
tggaagcaac gacctctcgt tagccaggat ggcaatcgcg gtcggccatt tccatggacc 420
taagcccccc 430

<210> 24595
 <211> 361
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-G1

 <400> 24595

 cccacgcgtc cgaactccag cttgcgttgg ggaagggcgc gtccttgaga gacgaaggga 60
 gagagcctag gactgactca ctgacccgaa cccgttcccg gcgggacttc ctctcgaatc 120
 gtcccagtcg agaccctagt tgccccacga accgaggatc caagatgagt ttctgttctg 180
 ggaagaggaa gacgcccgcc gagctgttaa gagaaaacaa gagaatgcta gatcgatcca 240
 tcaggggaaat tgagcgagag agacaaggat tgcaggccca ggagaaaaag ctcactactg 300
 agatcaagaa aacagcttaa gaaggccaga tgggagctgt caaagtaatg gccaaagatc 360
 t 361

<210> 24596
 <211> 432
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-G10

 <400> 24596

 cccacgcgtc cgcggacgcg tggtcggacg cgtgggcggg gcggcaatgg ccgggggtga 60
 gcttgagggtg ctcaccgcgc tggacaccgc gaagacgcaa tggtagcact tcaccgccat 120
 cgtggtcgcc ggcattgggt tcttcaccga cgcctacgac ctgttctgca tctcctcgt 180
 gactaagctg ctcggccgca tctactacac cgtggagggg tccgcgacgc ccggcaccct 240
 ccgcccgcac gtgtccgcgt ccgtcaacgg cgtggcctta gtgggcacgc tgtcagggca 300
 gctcttcttc ggctggctgg gcgacaagct cgggcgcaag aaggtctatg gcatgacgct 360
 catgctcatg gtcctctgct ccgtcgcgtc agggctctcg ttcggccaca ccccgcgctt 420
 cgtcatggcg ac 432

<210> 24597
 <211> 424
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G11

<400> 24597

gcacctcttc ttccccgcc gggcaacaac tcagccgccg caaccgccac atcagccatg 60
ggcgcttgcg caaccaagcc caagacgctt gaggggcagg cccagctga ggccgccgtc 120
tccacacca aggttgcgcc cgaggccact ccaatctccg ttgaggttgc ggctgatgaa 180
caggtagctg agaaggttgt ggtggaggag cgggctgcgg cggccgacgt tgagcatcag 240
aaggctaata aggtgctcgc tccagaggcg gccgtcgccg agcccgacca caaggaggag 300
gaagccgttg agaagaccgt cgtcgaggaa gagaagccag cggcagcagc ccatgcagag 360
gaaaaggctg ccaccgtcga cgagaccacg acgacgggtg aggcgaaaaa gaacgccgag 420
gaag 424

<210> 24598

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G2

<400> 24598

gtgctctcca ggaggaacag ccacgcgtct atcaaggcac ccagagacag ctccggtgcg 60
gccacaccga tgtcgcatag tgcttcatca agtggcatca agtgggtgcga gaacaatgtg 120
atatggagct cactctcctc aagcttggtg cgtcatggaa aggaagcaat gaagcagaga 180
gacatggagc tgcaagctgt gcttgatgga ctgctagaag catctgcctc tgagaagttg 240
ataaaatgcc tgagcaaata ctccgaacta cattctgaca aggacgacga cccaaaggag 300
gtcatcagca ggttcttgaa attctctcaa gaactggatc atgccatctt cattgctcag 360
tcacaggcca gactcaagca ccc 383

<210> 24599

<211> 345

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G3

<400> 24599

ccaagacgtg gaagcccaag aagacgagggc agatcaaggg accagcgag gtgtcacgag 60
atgactcctt caagaagaag gccagccgca tggagcagag ggacaagctg ggcttgagcc 120
cgcgagggaa gcgcgaccct cgccactacg ctgaggccac cgacgccatg gacaaagtcc 180
agatcgagaa gaagaagcag gacgacgccc tcgacgacct cagcggcgtg ctgggcccagc 240
tcaagggcat ggccgtcgac atgggctccg agcttgacag gcaaaacgaa gcgctggatc 300
atctgcaagg cgacgtggaa gagctcaact tcagggtgaa aggag 345

<210> 24600

<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G4

<400> 24600

cccacgcgtc cgaccacacg tagacgagtt acatcaacgg acgcgtgcac gtactccgag 60
aggactccat gatgaacaag gccatccgca tggacgcaca tgacaagcta gacctgagcc 120
ccatagggaa gcgcgaccct cgccactact ctgaagtcac caacaccatg gacaaagtcc 180
agatctgata acaatattct ggacgactcc ctttacaaca ctcaagtgtta tgctgggcca 240
gcttaatgtc ttggtcattg acatggtcta cgagctttac atgcaacact 290

<210> 24601

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D3

<400> 24601

gctgctttac gaacatcatt taagactgtt gttgctgttt ggcataagct cagccacgcg 60
aatgttacia agtttgttgg tgcatttatg gggaccacag accttaagat tccatcaaac 120
aattccaatg gtgctgcacg tacaaatttg ccagcaagag catgttgtgt tgtggtagag 180
tatcttgctg gaggaacttt gaagcaatat ttgataaaga atagccgacg gaagcttgct 240
tataaagttg tgggtccagct tgcattggat ttggccagag gattgagcta tctgcactcc 300

agaaagattg tacatcggga tgtgaaaagc gaaaacatgc tgcttactcc acagagaaa 359

<210> 24602

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D4

<400> 24602

cccacgcgtc cgaaatactt cagaatctct gtggagggtcc aaacattgtg aaattgcgtg 60

atattgtcag ggatcagcat tcaaagactc ccagtttgat atttgaattc gtcaacaaca 120

cagacttcaa agttttgtac cccacattga cggattatga catccgctac tacatatatg 180

agctactcaa ggcccttgat tactgtcatt ctcaaggcat catgcatcga gatgtcaagc 240

cccataatgt aatgatagat catgagcttc gaaaacttcg gttgatagac tggggccttag 300

ctgagttcta ccatccaggc aaggaatata atgtccgtgt tgcacgagg tatttcaagg 360

gacctgaact ccttgttgat ttacaagact atgattatc tttagacatg tggaagcttg 420

gttgcattgt tgctggaatg at 442

<210> 24603

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D5

<400> 24603

cggacgcgtg ggccagagag agccgggtag aacttggtg tctgccctgt ctgcaagggc 60

ctcgtcttct tcctggagag aaaaagcaga agacaatata aagatgtcca agatggcgga 120

ggagaaggcg gcggcagtgg gcggactcgg aggagccggg gcggcggacg cggcgagca 180

gcagcagctg gcagcagggg aggccgcggc ggcgcgggtg cggcccgtgg agacgctgct 240

tcgcgcggca ccgctggggc tctgcgtggc cgccatgacc gtcattgctcc gtaaccagca 300

gagcaacgag tacggcgccg tcgctactt cgacctggga ggcttcaagt accttgctta 360

cgccaacggg ctctgcgctg gct 383

<210> 24604

<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D6

<400> 24604

cccacgcgtc cggtctgtgc tcgtggtggt ggctgtgcag gtgcggagat cgtcgatcga 60
tcgtctgcggt tcgtcggcgg cgggtgtcag atgtcgatgg acttcgggtgc cccggcggat 120
gacccaagg ctttcgcaa catctgccgc gaccgtacgt ctgcaccacg cgcgcgactt 180
tgattgatct ccgtctctcc tcacgtcgtc tgctttacga attgacgacc cgactgctcg 240
gttccgctgt tgctcgtttg tgctctctc agggatactg aaggacctgc ttaagcctga 300
caaggataag gagacaaaa gctcatggaa ggtacatagg cgtaatat ttgtcgtccg 360
tgcgcatgca gcttgatcta tgcacattct ggtggtactg cttcatgtgc tcagattcct 420
actatctttc attttttg 438

<210> 24605
<211> 369
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D7

<400> 24605

cccgtctttg gtcccggagg gaaaaggaca aatcactcac acagagggaa gaaaagggcg 60
caggaatcgc gacagcgtgg gaggcgtacg gcgcaccgcc cggccgccgg atctgcgccg 120
gcgacgcgcc cggacgtcgg atctacgccg ccgcaggagg agggaggcgg cgctctggcc 180
gttccttgcc cgcgagcgcc cagatccgtc ccgccgccgg atatatat caatcaatgc 240
ccctgtgata tcgatgttca gttgatgcag tggtgaaaac atcttctcca aaaactgctg 300
gctgcaagtt gcaaaaattt gtctttccct tgttggttg ttgcttcctt ctctggtgga 360
gtacacggg 369

<210> 24606
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D8

<400> 24606

caaaccacct cggccggtcg gccacgggc cagactcaa aaaaggatca aggtggggga 60
aacaaaacac aaggcggcgt ccgcagcttc cccactccac gttccgtgtt tccgactccg 120
gtgactccac caccagcaac ccgtgcagcg agcgcactcc gaccatcgcc atgtcgaggc 180
gcggcgactg ggtctacgag aacaacggcg ggacctgcgt ggccatcgcc ggcgctgatt 240
actgtgtcgt ctctgcggac accgcctct ctgtaggata cagtatcctc acgcgtgatc 300
actccaagat ctgcgacctg gctgacaaat gtgtactggc atcttctggc tttcaagggtg 360
atattaaggc tctg 374

<210> 24607

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D9

<400> 24607

cgtcggtcga ggagtaggggt tctagcgcct atctggtttc tccctgcgcc gccggcgccg 60
gcgtggacaa ccggagcgta gtgggagggg atgatggagg gaggtagccg ccgggatggg 120
cggaatccga accagctccg gccgttcacc tgcaccggga acccgctcca ccgcgcccac 180
ggctccgcgc ggtgggcgca gggcgacacc gtcgtgctgg ccgctgtgta cgggcccgaag 240
ccgggaaccc ggaagggcga gaaccccgag aaggcctcca tcgaggctgt gtggaagccc 300
aagaccggcc agatcggaag gcaagaaagg gaatatgaga tgacactcaa gaggacgttg 360
cagagcatct gcttgctcac agttcatcct aacaccacca cctctgtcgt gcttcaggtt 420
gtgggtgatg atg 433

<210> 24608

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E1

<400> 24608

tgaacgtctt gggcggggag gaggacgaca gggacgaggg gtggcggcgg tggtcggtgc 60
 tggcggcgac ggtgtggatc caggcgctga cggggaccaa ctctgacttc tcggcctact 120
 cgtcggcgct caagtcgtcg ctgggcgtct cgcaggaggg gctcaactgc ctggccacgg 180
 cgtcggacct gggcaaggcg ctggggtggt cgtcgggcct ggcgctgctc cacatgccgc 240
 tccacgccgt gctcatgctg tccgccgga tggggctcgc cgcctacgcc gcgcagtact 300
 actgcctcgt gttcgccggc ggcgctgatg cgggagcggg agcgtcgtcg t 351

<210> 24609

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E10

<400> 24609

cccacgcgtc cggacgagga agatggtgaa tggactgccc ctaccattcc caaccgagag 60
 gacaaaggac catggaaca aaagaaaatc aagaacccta actaccaggg taaatggaag 120
 gcacctatga ttgacaaccc agatttcaag gatgatccgt acatttatgc atttgacagc 180
 ctgaaataca ttggcattga gctgtggcag gttaaatacag gcactttgtt tgacaacatc 240
 atcatcactg atgatcctgc gttggccaag acttttgcag aggagacatg gggcaagcac 300
 aaggaggcag agaagactgc tttcgatgag gctgagaaaa agaaggaaga agaggaagcc 360
 gccaaagggtg gcgatgatga cgatgatgac ctagaggatg aagcagacga tgacaaggca 420
 gacgatgaca aggccgac 438

<210> 24610

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E11

<400> 24610

agacaggatg cggccggagg acgtgggcct gagcccggac ctgagcttct tcagagctcg 60
 agacgccaca cgtggcggtg gcaccccgac cataacgcac acgacgatat acaaatgccc 120
 gaatttctcg atggtcatcc tgttactgcc gcgaaacgcg gtgatcccgc tccacaacca 180

ccctgggatg acagtgttca gcaagctgct cctggggctg atgcacgtca agtcgtacga 240
 ctggctcaac actgctgacc ccgatacctt ttccggcacg agcaccacca gcaccagttc 300
 ttctgctctc gatggcccat gctgaagct agcgggaact gtggtggacg acgtcttcac 360
 ggcgccctgc gacaccttcg tgctgtaccc gacggcagga gggaacatgc accggttcac 420
 cgtcatggcg ccct 434

<210> 24611
 <211> 424
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-E12
 <400> 24611

cgtcgtcgtc cctcccgaaa caaaagaagc tattttgaca ccacacacac acacacagag 60
 gagagaagat aagagaacga ggggcagggc agccagcgcc gctagctgaa gcaaggcagg 120
 gcaagagaat ccgtacgtcg aggtgcaggt cgtaggtagg atggacgcgg accagcaggg 180
 cgtggttgcg gcggcggtga agccggcgct ggccaagggg acgccgctcg cgtcgttccg 240
 gctccgcaac gggagcctga acgcggtgcg cctccgccgc gtgttcgacc tgttcgaccg 300
 caacggggac ggcgagatca ccgtggacga gctgggcgag gcgctggatg cgctgggcct 360
 ggacgccgac cgcgccgggc tgtccgccac cgtcggcgcc tacgtgcccg acggcgccgt 420
 gggc 424

<210> 24612
 <211> 374
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-E2
 <400> 24612

cccacgcgtc cgcgggaact ggaggaactg agcgggtggcg ggcgccgtga tggcggcggc 60
 ggctacggcg gtggcgggcg ctacggtggt ggcggcgggc gctacggtgg tggcggcggc 120
 ggctacggcg gtggcaaccg tggcggcggc tacggcaact ccgacgggaa ctggaggaac 180
 tgagcgggtg ggcgcgcg gcgaagttat cctgttcgct accgtgttgt ttaccctagt 240

ccagagtgtt tatcttcgtt cgtctcgtgt ttgttggtgc ccatctgtgt ttttgattga 300
 aggtcgctct gtgtcagttg ttagtgctgt gttcatcctc ggcttcagca gacccatgca 360
 tcaaccagca tgga 374

<210> 24613
 <211> 376
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-E3
 <400> 24613

atgaaggggg tgtttgcaac tcgcgtttct ggttctgcag atctctacca ggtgaacagg 60
 gggaagcctt accatagtgt gaactttgta attgctcatg atggatttac tttatgtgac 120
 cttgtttcat ataactccaa gcacaatgat gcaaattggag aaggtggtcg tgatgggtgc 180
 aatgacaact acagctggaa ctgtggcatt gaaggagaaa caaatgattt gaatgtgcta 240
 agtcttcgtt caaggcaaat gaagaacttc catgtggcat taatgatttc ccagggtact 300
 ccaatgatgc tgatgggaga tgaatatggt cacacacgtt atggaaacaa caatagctat 360
 ggacatgata cttaca 376

<210> 24614
 <211> 204
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-E6
 <400> 24614

atccggcgcg gcgggctatg gacctgcagc agcaagctaa ttaagttggc cgatatagat 60
 ataatatata atggaagccc tgggctttga ttattgggga agccccaacc agaatgcgga 120
 taggccacca ccccgcatga ttacgttagc atttatgctg gtataaccaa attatataat 180
 tttcatatac tatgcaatga atct 204

<210> 24615
 <211> 382
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E7

<400> 24615

cggacgcgtg ggcagagatg gagccgcggg ccaaacggag gaagggccat catttagggg 60
gagcgtatgg ccagggatat tcgctgaaac ctcaggaata cgctcatggt ccctatggac 120
gaggagcccc accgggctca ctgggatttc tcgccggtgt tggcagacaa cgccgacccg 180
ccgtgcgccg tggccaagct tactgccgc ctccatcttg gagaacgatc cggtcgaaga 240
gcccgaggaa ttgcaggag aagcccctga gcagcagtcg ttgtgtggag gttgtcagca 300
ttgcaaccac tgctcaggcg aagatgaagc tgtggaagga gacttccagg agttccaaga 360
ttacgacgag ttctaggtgt gg 382

<210> 24616

<211> 405

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-006-Q1-K1-D2

<400> 24616

cccgccctnc acctgaccgc taccaccacc cgggacgtct tccatggcct gctcatagag 60
taagctctat ctcaccgcag caactcctca ttacaatcct tcaagagagc agcactacac 120
tacactacat tagagagagg tcgagcggcc ctccctccgat ccgccggccc gccgagagct 180
agctgctgat cggtcgagga gagtcatggc gacgtcgacg atgcgcggtg ccgccggcgt 240
gctgctggtc gtgtcggcgc tggcgacctt ggcccggggc gaggaccctt acctgttctt 300
cgagtggaag gtgacgtacg ggaccaggtc cctgctggga gtgccccaga aggtcatcct 360
catcaacggg gaagttccct ggccccagga tcaactgggtt cttca 405

<210> 24617

<211> 92

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B9

<400> 24617

cggacgcgtg ggttgtatth agaatgctga tgataaatgt aattttacat acttgtgtct 60

gttttattat aaaaaataca gacttgatag tg

92

<210> 24618

<211> 346

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-006-Q1-K1-C1

<400> 24618

cggacgcgtg ggccgataat agtggcagca gcaagagcgg aagcgggaagc ggaagcagga 60

gcagaagcag cgggtcgacg cangtggatg tcctcctggc cggcgtggtg attgggggtcc 120

tggcatttag cctgctgatg tgcacgcccg cgtgcgtgtg ctgcgccaag aagaagagga 180

ggaagaagcc cccgcacatg aacatgccgt actacaccga cgagcacggg aacgtcttct 240

acgcgaacag catgcccaag tggcagagca gcgcgatgga ccacggctgg cacgcgccgt 300

actcgcccg c aagcggggac atgagcggct cgcacggggc ggggct 346

<210> 24619

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C10

<400> 24619

tctaaataga aacaatactg atggcccaaa acaagatgat tgtggtggtt ctctgcttg 60

cgcacctttc ttgtggtggc tagatcggtt tgggttccag aagaaccatc aaatgcggat 120

gacataagag gtgcttgcat cgaggagtgc accaaagaaa ataaggctcc tggcgacaag 180

aagacatgcg aagtgttgtg caccaagctc acaaaaaagc ctagcgaaga aggcaaacat 240

gattgatgaa gtagcactcc gataatatat accctagtgg atgagtggct atctttgtag 300

ccatgtctgc cacacgatgg ccttgattat attgtcttat tgttttgttt ttggtttcca 360

ctagtatcct aattccttgt tcatgtaacc taatgtcact caaagcattt tatatgcttc 420

acttaattaa ataaa 435

<210> 24620

<211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-C11

 <400> 24620

 cccacgcgtc cgcaacatca actattgcc a tagagtctag cgtcttactc atcgctgtga 60
 agactgctgt tataacaatg ttcttggttg cagatctggt tccagatcta gacctccaa 120
 tgttcctcct ctgatgcctc agttcatgag ggctcatggc agcatcagcg aacagtacca 180
 acagaattca tcatctagct tatttgctgg ggcccatagg tcaggaggca tgcgacctgc 240
 cccaacacct ctaccagaga accccacctt taccttggtc ccgccagggt catctggcca 300
 tagctcgatg gagactgatg atgctggggg aagccgggtt tacgcctggg agggtgaccg 360
 gtttgcccca taccggttga tgccggtaga ctgcgagaca agctggcgga cctcacagca 420
 gcagtccac cag 433

<210> 24621
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-C12

 <400> 24621

 cccacgcgtc cgcgacaaga tggcgtgcac aaacaatgcg atgagagcct tgttcctcct 60
 ggtcctcttc tgcacgtgc atggtgagaa ggaagagtca aagggcatcg atgcgaaagc 120
 gtccgggcct ggtgggtcct tcgacatcac caagttgggc gcctccggca atggcaagac 180
 agacagcacg aaggctgtgc aggaggcatg ggcatcggcg tgcggcgga ctgggaagca 240
 gacaatcctc ataccaagg gcgacttcct tgtcggacaa ctcaacttta caggcccttg 300
 caagggcgac gtgaccatcc aagtggatgg caatctgctg gcgaccacgg acctaagcca 360
 gtacaaggac catggtaatt ggatcgagat tctacgcgtg gataacctgg tcatcaccgg 420
 caagggaac cttga 435

<210> 24622
 <211> 366
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C2

<400> 24622

cccacgcgctc cggttctctg ttaccttaga taatgctttt tctaattcaa ctgccatgcg 60
cacattgtca cctatgcttg ctggttatatt ggggtgctgat gttgatccaa cagataccag 120
taacaaaact tatagtgtgc ttcacacgcg ttgtgcatgt cacattatta acttgatagt 180
gaagtgtggg ttgaaaaggc ttaaggatta tttagatgtg tttaggactg ctattaattt 240
cttaaactct tctaaccaga gaattgggtc atttagtaat tactgcaaag caaaagggtg 300
tagacctaga aaatttggtt taaacatgga tgttagatgg aattcaactt atcttatgct 360
aaaaca 366

<210> 24623

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C3

<400> 24623

gccccggggac ctccaagggtg aacatcacccg gcgtgacctg cggccctggc cacggcatgg 60
gcatcggcag cctagggcgg tacaaggacg agaaggacgt cacggacatc aacgtcaagg 120
attgcactct taagaagacg atgttcggcg tccgcatcaa ggcgtacgag gacgccgcct 180
ccgtgctcac cgtctccaag atccactacg agaatatcaa gatggaggac tcagccaacc 240
ccatcttcat cgacatgaag tactgcccc acaagttgtg tactgccaac ggcgcttca 300
aggtcaccgt caaggatgtc accttcaaga aca 333

<210> 24624

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C4

<400> 24624

cggacgcgtg ggccggacgcg tgggtgcgct tgagtcgacc aacgttgaga atgcattggc 60

agaagtccta gctcagatct accgtattgt gagcaagaga gcagttgaag caggtgaaga 120
 tgcagcatct gggcctggca ggggcgagaa gataaacata aaggatgacg tctcggcagt 180
 gaagaagggg ggctgctgct ctagctgagc tgccgtgctg taatTTTTTT ttgggagttg 240
 tgggatgtag cttatgttat ggcattttca gcgactggaa attggtagtg gcatttagca 300
 gcctctatta cctagagagg taattgtcaa actgaaaaaa aaaactgaag gttagatcag 360
 tttagagctc tgggtact 377

<210> 24625
 <211> 399
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-C5

<400> 24625
 gtcattcctt ccaccaccac caccaagctc aacaacagcc agctcgcgaa aataatggag 60
 agccgcagca tggcatcatc ggccgcgctc ttggtgctag ccctcgcgct agtggcggcc 120
 accgccccac aggtagcgga ggcaaagaag aagagagcgg cggagagcgg cgaggcggcg 180
 gaggcgaaga agatccagga cgacttctgc tcgacgctgt gcgagggcaa gaaggggacg 240
 gacctggctg tgtgcaagga gtcctgcgct ctctcccagc agtccaacct ggtgctgtac 300
 ggcaggatcc agtgcaaggg caagtgcacc gagcagaagg gcatcacggc gccggccatg 360
 aaggtctgcc aggaagagtg cgacaaggcg tacgtggtg 399

<210> 24626
 <211> 373
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-C6

<400> 24626
 atgcgccatc cttgggagca tgtgttggtg atgggtctcg gtgcagtatt tgtgaacgag 60
 ctggtaaaat ttgacgagaa gctcaaggag gacctcgaca agatgcttga gcgcgccagg 120
 ctagccaacg agcaacgcta cattgatgat gatgaatagc tgttcagatt tgtttgtcag 180
 tgacctgtat ttttttgcaa catgttgtca gtacacatgg tcaggactgt ggatccccca 240

tgacttagtt gttgcctcag cttccacatt tcaactgtgg ctttgtaata aaatgtcggt 300
 gcccaatgga tctgatggat cacaattgta agctacaaat tatgggcttt gaatatgatc 360
 gcttactttc tct 373

<210> 24627
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-C7
 <400> 24627

cccacgcgtc cgcccacgcg tccgcggacg cgtgggatcg ctgacgcgaa cgtcgggggg 60
 gccacctgcg gctggaactc ggtccagcct gtctttagt agccgtagag cgggttcgcg 120
 ttggccgcct gcgcgcagac gaggcgcggc acgcgggtcca cgagcccagag gacacggcac 180
 atctcgaacc cttttagtaa ggcgtatatg ttccccaggt tgctccccgg cagatcacc 240
 cagtcgggca cctcccagtc gaactgctgc agtatctcga tggccgccgt cttctgcccc 300
 tcgaggcgga gggagttgag cgagttggcg aagtagatag gcagctcggc ggtcaccttc 360
 ctgatgagcc gcatgcaccc 380

<210> 24628
 <211> 363
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-C8
 <400> 24628

cccacgcgtc cgcccacgcg tccggccagc cagccatcgt cacactggtg agctctgcag 60
 tctgcactct gcttagctcc gagcttcagt gccttcggtt ttagctgtta gctccacagt 120
 ccacagttcc acacacacgt ccagctgcac tgcaccaatg gccgccgtcg aggtccaggt 180
 cccgactgcc gctcccgtcg aggaggctgc tgctgctgct gcagcgggag tggaggctgc 240
 ccagctggcc gccgtcgaga ccccgaacga ggagaccgct gctccggcgg cggagaccga 300
 ggctgctgcc gctaaggagc cgggtgcggc cgaggccgag actgagtcca aggaagtcga 360
 ggt 363

<210> 24629
 <211> 365
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-C9

 <400> 24629

```

cccacgcgtc cgcatggata ctgtctgcct tagagcttcc atggtcgatg aacatggaga   60
gtctaattcg taaaattgct agtgcccttc ctcagtatcg agacactctc aatcacgaag  120
catgaaaaca tacttgatgt caacttatac tattgcaatg caaaactctc ccagtctaca  180
actacaagct acgcgatgca attgctaatt acagtctctg acacttgctg ctcatgatct  240
ctgaaaccct tagcatcaga acacgatacc actgatactt ctctaaggaa agacagttga  300
tcaacattaa acactcacat tctatatcat ttaccatta aaaggaacat ttgcattgca  360
accat                                                                    365
  
```

<210> 24630
 <211> 367
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-006-Q1-K1-D1

 <400> 24630

```

aaccagattc aacgatggaa tataggacga aatttataag agctaagtat gagacacagg   60
atTTTTtTgaa gccAagTttg cgcatttcat cgagatcatc ttttaaactc accaattctg  120
tgaagagtgt agatagcaat ttctctagca cttcaaggaa ggatatctct gaagatacaa  180
gagaatttTgt tggagagctg aatattacag tcgtgaaagg tactaacttg gccgTtagag  240
acatgctaac aagtgatcca tatgttgttt taacactcgg agggcagaaa gctcaatcga  300
cagTtaaaaaa aagtgatctn taatccgtat ggaatgaaat gcttaagatt tctgttcctc  360
gaaatta                                                                    367
  
```

<210> 24631
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D10

<400> 24631

cgcacggcgc acccagcgt tctccttccg tccttggaac ccaggcccag gcatcggttg 60
gccgctatct ctctgcccc atctcctccc gatccatccg agcccaaacc ctagtccagc 120
cagatctcca ccgccgccgg cgagagcacg gcatcagatc cgccgcgatg gcgttccgcc 180
gcatcttata cacagcgggt cgccgccgct cggccatcgc cgccgcagcg tccgggaacg 240
cgccgcgaggc ctccacggcc gtcgcccgcg cggccggcgt gctagcccc gacgcgaccc 300
cgggtgcgcgc tcccgtgatg ccgtacgata gcatcgccga agccgttaac gccaggctcc 360
ggcggcttga gcaccagac ccgcgcttcc tccgctatgc aagccccgtt ccgtcccacg 420
ccgaccacac g 431

<210> 24632

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D11

<400> 24632

cccacgcgtc cgcaagggtc caggagggaa tcaaggcctt ctcaaggagc ccaattgttg 60
gggagatacg cggctctggga ctgatacttg gaactgaatt tgtcgacaac aaatctccaa 120
atgatccatt tccagctgaa tggggtgttg gttcgatatt tggcgcggag tgcgagaagc 180
gtgggatgct catcaggggt gctggggaca gcatcatgct gtcacccccg ctgatcatga 240
ctcccaatga agtcgaagaa atcataagca aattcggcga tgctctgaag gccacggagg 300
aacggattgg agaactgaaa tccaggaaga attagccgat gctgctggtt gtaacgacgg 360
tgaggatggt gatggcagca gtatatcttc aaactttatt tcagtaaagt gctgggctgg 420
aacctttagt tcg 433

<210> 24633

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D12

<400> 24633

ccgcgcgacg caaaacccta gcccatccac cgatccttgt catggcggcc accaccagcc 60
aggcgagcct cctcctgcag aagcagctca gagatctcgc caagcaccgc gtggatgggt 120
tctcggtggt gctggtcgac gatagtaacg tattcgagtgc gcaggtcacc atcatcggcc 180
cgcccgatac cctatatgat ggagggtact tcaatgcaat aatgagcttc ccagaaaatt 240
acccaaacag cccgccatca gtcagattta cctctgaaat gtggcatcca aatgtttatt 300
cagatgggct ggtgtgtatc tctattcttc atccacctgg tgaagatcca agtggttatg 360
agctcgcaag tgagcgttgg acacctgtgc atacagttga aagcatagtt ctgagcatta 420
tatcaatgct ctctagtcca a 441

<210> 24634

<211> 324

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B6

<400> 24634

aagaaacaac atgactgaca gcgacgatga tgccacagct gcgtagcctc gtcacgcggg 60
tactcgtggc cacggccata gccgccgctc ccggcggttg gtttgcgtt accggccgca 120
tctactgaga caactgacga gccggattcg agacaaacgt gtcccacgcc atccaaggct 180
cgactgtgga gatggagtgc cgtcaattcg agtcgcaaca ggtccacgac aaggcggatg 240
cgaatacggg ccccggtgc tggtagagga tggagatcag cggcgaccac caagacgaga 300
tctgcgacgt gcgcctgctc aaga 324

<210> 24635

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A10

<400> 24635

gcttgggaag ctgcaactga gcttccttta tctcataggc gtgatagtca tggggtttga 60
ggatcatgagg aacattgtaa gggtagtgaa gccagtaagg gttgcagcaa ttgagtcgta 120

agtcataaga accaaatata tgtacgttgt tcttgagacc ttgtggtagt cgagatgata 180
ctttcacttc tccccaatgc ctggagatga tgattttaga gtagcatctg ttaacacatg 240
tgaaactcgg cctgctccta gtagcagaat aatacgaaac actgagaaaa cagtgcgcgc 300
ctggacagaa atgtctatgg caagggtgcc cgttggcgta tgtacctgta agagtatctg 360
taccataccg agatttggaa tcgatgcttt gctgcta 397

<210> 24636

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A12

<400> 24636

cctgcacctc agaggggtgg gggaagatac ccttcggggc actgcgcagc gacgcgatta 60
gcgtcgagcc ccctatcgcg gggttaccgg tgatctcgtc cgctcccagc cggatacctc 120
gttcattca aaggcgcccc tggcgtgggt gtctaccgaa ggcgatccat acttcattct 180
cgacaacgtc aacgagcgag atgtctgggc tgagttccag gcacaggacc atttggccta 240
gaggagcgcc gaagtggcca acctgacgtc ccggtgcaag ggactgaagg aggaggggtgt 300
agccgaccgc aaggaggcct gtcgactgag ggctgaggtc cttggtctga aggcagaggc 360
agaccaccgt gaggaggtgc tacggtgggc gcaggagggc cttcaagcgg tgacggaaga 420
acgt 424

<210> 24637

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A2

<400> 24637

ccggttcctt cctctcgggc gcggctcatg tccctctcca tctccggcgt ggcgcttggc 60
gtctgacctc aacaagcaag aaagcaaatt gcaggcggca gggttgaca tgccaccctc 120
aaggggccga gtgtggtgaa ggagatcttc attggactga ccctgggtct gatcgcgga 180
ggcatgtgga agatgcacca ctggaacgag cagaggaaga ctaggtcctt ctatgacatg 240

cttgacaagg gccagatcag cggtgtcgtc gaggagtaaa gagttcttcc cagttatttt 300
 caaagaactc tctcgagagc atgacaaagt gattgcttgc tgtggagatt tgtcctggaa 360
 ataagcccaa ccatttgga acaccagatt tt 392

<210> 24638
 <211> 118
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-A3
 <400> 24638

aaaaaaaaa aaaaaaaca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 gagaaaaaaaa aaaaaaaaaa aaagaaaaaa aaaaaaaaaa aaaaaacaaa caaaaaaa 118

<210> 24639
 <211> 269
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-A4
 <400> 24639

cccacgcgtc cgcaacgatt tggaatttgg agaaccctat gctggcctcc cggacactgc 60
 tgcccgcgtc tttgatgctg gctcctcgg cgcatcggc atggccggcc acgcggaaga 120
 cgccgaggtg cggttgcagg agatggtggt gacgtgcggt gacgagagcg tcgacagcta 180
 cacgctcacg gatgctgttg tgtacgttta attattggga tgtaattatt agtgatctgt 240
 gcagataaga ttttggggaa aaaaaaaga 269

<210> 24640
 <211> 405
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-A5
 <400> 24640

cggacgcgtg ggccaactaa tatatagata atcgaaatcg aaaagaactg tcttttgtgt 60
 atactttccc cgttctattg ctaccgcggg tcttatgcaa tcgatcggat catatagata 120

tcccttcaac acaacatagg tcatcgaaag gatctcggac gactcaccaa agcacgaaag 180
ccagttagaa aatggattcc tatttgaaga gtgcctaacc gcatggataa gctcacatta 240
acccgtcaat tttggatcca attcgggatt tttcttggga agtttcggga agaaattgga 300
ataatatcga ttcatacaga ggaaaaagtt ctctattgat gcaaacgctg tacctagagg 360
atagggatag aggaagaggg aaaaatcgaa atgaaattaa ttaag 405

<210> 24641

<211> 330

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A6

<400> 24641

cccacgcgtc cggagagaga gagtgagaga gtgagagagg cctcaccgct tcgacgtgga 60
ttctgtagac gagctgcagg cgtcggcgct cgcgccatga cgcgcggtac gccatggcga 120
ggtgggcgac ggcgagcgcg agcgacatga ggaacatggc ctcgacggcg acgagctggc 180
cgttgccccg ccacacgggc gcggcgccga agacggcgac ggccttggcg aggacgtagc 240
agacggaggc ggcgctgcag gcgacggcga cccacctgta ggcgggcgccg tcgacttcgg 300
ccggggcgta cgcgagagg atgatgaggg 330

<210> 24642

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A7

<400> 24642

cccaacacca cctcgctgc gatctccgta gcctccgctc cgtcgagcat cgatcagggc 60
ggcctactgc ggaaagtaca aggatgagct catcaagaat gctgcctaca ttggcacccc 120
tggcaagggc atccttgctg ctgatgagtc cactggcacc attggcaagc gcctttccag 180
catcaatgtc gagaacgttg aggagaaccg ccgtgcctc cgtgagctcc tattctgctg 240
ccctggtgct ctccagtaca tcagcgggtg gatcctcttc gaggagaccc tgtaccagaa 300
gaccaaggat ggcaagcctt ttgttgatgt cctcaaagag ggaggcgtcc tccttggcat 360

caaggttgac aagggcacca ttgaagttgt tggcactgat 400

<210> 24643
<211> 373
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A8

<400> 24643

ccgcgccatg acgatgacga tagccgccgt gctctgcctg ctctcttct ctggcctgct 60
cgccgcggcg gagaagactt tccgcggagg tggaggcgga ggctacggcg ggttggaggc 120
cgggtggcgga ggcggcgggcg gctattccac cccgagcgag gcggcgccat ccacgcctgc 180
cgctgggggag acgactaccc ctctgctcagg cggcggttac tccactccta gcgtggcggc 240
gccatccacg cctgccgctg aggagacgac gacgactcct tcgtcaggcg gcgggggtta 300
cggcggtgca accggcaagg ctctctcagg cggcggtga ctggaccccg acggtgacct 360
aaaagttggg ctg 373

<210> 24644
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A9

<400> 24644

gggatcctag caagagacca aaggccgcag aagtcctcca gcataccttt tttcagggtt 60
ggacatgtgt tccacttctt gtccgtccaa aagcttcctc acttcctaga acacctccat 120
gtgttggatc aaaaggaaat tcagagaaca gtgtggctag aagattctca actggaactc 180
tatctacaat gaaatctcat agcaatgcat ccgcaaaatt aaatggttta tctaagactg 240
gtgtacaaag aaaacttaat ttggatcgtc agccatccca aaagggtatg aagccaaccg 300
agactagtaa taaactaact acgaatcggg taccagctcg gaatagccca gggaatcctg 360
tacttaggca ttcacggagc ttgcctgaaa ctggccgagg agcaatacag aaggtctcat 420
caattacaga gaaacta 437

<210> 24645
 <211> 368
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-006-Q1-K1-B1

<400> 24645

```
cccacgcgtc cgcccacgcg tncgcggacg cgtgggctcg accatccctg caaattaggg 60
cgatggctcc caagatccta gtcacacctg tgttctctgc cgtggcctca ccggctgctc 120
tgcccgccctt cgatgtgata gagatgctgg ccgacaagcc cacgtactcc acgttctga 180
agctcctgca ggacaccaag gtcgcggggc aggccgaatca gctccggctg gcgacgctac 240
tggtcgctcc cgacaaactt gccaaacctc tggcgctcgt gcccgccgat aaggcgccg 300
cggcgggtgga gaaccacgtt cttctcaatt acttcgaccc catcaagctg gacgagatta 360
agacacgc 368
```

<210> 24646
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B10

<400> 24646

```
acatacagga aaagcaagca agaatcatcg gaataatggc tcgtgcatgt gtgttgctcg 60
gggtgctcct cctggccgcc atcgcggtgg caccgttcgc gggcgccgca cgcgtggacg 120
tcgtggaggg taggtccatg gcatccgccg atgcaccgga ggccggcgcc gatgctcccg 180
ctcctagccc cgactccgcc tcatccccag actcatcgtc agaggcgccc tccagcagca 240
gtcctccgca ctagacgcaa aaacctcttc attctctgga ataactaaca gtatatacgt 300
tgcacctga tgatatagaa acatgtacgt gcatcagtgt atggaatgcg agtggcaaac 360
acatggaatg tgcttgccca attattgggt atttctttat ttattatatg tctctctcgg 420
gtggttttta tttttc 436
```

<210> 24647
 <211> 312
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B11

<400> 24647

aaaaaaaaa aaaaaaaaaa aaaataaaaa ataaaaaaaa aaaaaaaata taaaaagaaa 60

aagaaaaata ataaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacaaa 120

aaaaaaaaatt cggttaagggc ccaatttttaa aaatccaaat ttaccatccc ttttattaaa 180

actataaatt ttttttttgg gtacctctaa ttaaattact tggcccctaa tttaaaattt 240

atcaatttgt aaaaccctta gattcccaaa ttttaattatc ctttgaaata aatccctttt 300

tataaatttg ac 312

<210> 24648

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B12

<400> 24648

aaacaaaaca aaactggctc tgaacaataa gccctgaatc atggctcgcat tcgctacaac 60

agggtcccgca tcgatgcaac atgtcctgat tcttaaaagg aacatgttgt catccacaca 120

actacaaatc cgtactatga aaatacatatt ctaattagac cgaggaaacc atgaagatgg 180

atggaagcag aacacccaag gagacaaaaa gggagaccag caaggcaggt ccgttcgagg 240

tggctgaagc cgaaccagcc ggccggccgc ctgaaccagt ctgcggggta gcagccttgg 300

agcccgtccc cgaaagcatg tctctgaacc agtacgccga gtccttgggg taccgcttca 360

gcgtcgcgaa gtcgacgtag acgatgccga acttggacgt gtagcccgac agccac 416

<210> 24649

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B2

<400> 24649

cgatcacaat aagatggcgt gtatagacaa tgcaatgaga gccttgttcc ttttagcggt 60

cttctgtgtc gtgcatggtg agaaggcaaa gtcaaaggac aacgatgcaa aagcgtccgg 120
 gcccggtggg tccttcgaca tcaccaagtt gggcgctcc ggcaatggca agacggatag 180
 cacgaaggct gtgcaggagg cgtgggcatc agcgtgcggc ggcaccggga agcagacgat 240
 cctcatcccc aagggcgact tcctcgtcgg accactcaac ttcacaggcc catgcaaggg 300
 cgacgtgacc attcaagtga atggcaatc 329

<210> 24650
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B4

<400> 24650

cggacgcgtg ggtgcatgat cgcagacaac tgcgccaatg tgtgccgcgg tgagggctgc 60
 ttggccggca ggtgcagcac cttccgccgc cgctgcatct gcactaggca gtgctaaaca 120
 agatcgctcg atcgctcgcc atgcatcgac aacctattct taataacggt cattatctcg 180
 ttcttattta tgacgaatgt catgtatggt ctggtgactg tcatgtatat tctgatgact 240
 gtcatgtatc ttgttcatgt atgctcaagg ttcattatct tgttcatgta ttaagtatgt 300
 tatgaataac tcaatattta ttattttggt catgtatgaa ttatcttcta atgagctcaa 360
 gggttcattat cttgggcaag gactcaaggg tcattatttt attcatggat gccagggtatt 420
 ccaaaa 426

<210> 24651
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H9

<400> 24651

atcacaataa gatggcgtgt atagacaatg caatgagagc cttgttcctt ttagcgctct 60
 tgtgtggcgt gcatggtgag aaggcaaagt caaaggacaa cgatgcaaaa gcgttcgggc 120
 ccggtgggtc cttcgacatc accaagttgg gcgcctgcgg caatggcaag acggatagca 180
 cgaaagctgt gcaggaggcg tgggcattaa cgtgcggcgg caccgggaag cagacgatcc 240

tcatccccaa gggcgacttc ctcgtcggac cactcaactt cacaggccca tgcaagggcg 300
acgtgaccat ccaagtgaat ggcaatctgc tggcgaccac ggacctaagc cagtacaagg 360
atcatggtaa ttggatcgag aatctacgcg tggac 395

<210> 24652
<211> 343
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-006-Q1-K1-B5
<400> 24652

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggcg gacgcggggg 60
cagaatggca aacatggaag cgacacaggc gcctacgacg ctcaaggaag gttcgttccc 120
gcgaagctgg acgagatggt caccaagcac gccaaagaccg taccgaacgc tctgacgaaa 180
gacgagctcg acgagatgct caaggataac cgggagaaga tggacgtcgc aggatggctg 240
ggagccaagt cggagtggga gatgctgtac aagctagcca aggacaagga cggccgcctg 300
tccaaggaca ccgtcagggc cgtgtacgac ggatccctct ttt 343

<210> 24653
<211> 307
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-G3
<400> 24653

cccacgcgtc cgcccacgcg tccgcccacg cgtccgagta gaagagcctg tgaccgagga 60
tgctggtgac cagcagatag aagtagctga gcaggagctc attgaaggag aagaacaggt 120
ggctcaggag gagcctcaaa gcgaggagtt tgatctgac taggtggcgt ttccccagtt 180
gacttttgcg ccaaggatga tcttttagttc gttttatatt tatcttatat tttgtaataa 240
gacttcctct atgtgataaa tactttgatg atattgtgac atttatctct atacactctg 300
ttattat 307

<210> 24654
<211> 471
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G4

<400> 24654

gacagacgtg cgcgcgggaa agtagtcagg agaggcggtt ccctcgcaat cgaccatcac 60

agatcaaata gctgcgacta gctaggggtt cgtcgccctca tctctcgctg atccatcgat 120

ggcggtccgag ggcgacaaca agaggatgat cacgctcagg agctccgact tagaggagtt 180

cgagggtggag gaagcggtgg ccatggagtc gcagactctc cgccacatga tgcaggacga 240

ctgcgcccga aacggcatcc cgctcccca cgtcaactcc aggatcctct ctaaggatcat 300

cgagtactgc aacagtcacg tccacgcccgc cgccaaacct gctgactccg ctgcctccga 360

ggcgggcgag gacctcaaga gctgggacgc gaagtctgtc aagggtggacc aggctacgct 420

cttcgacctc atcctggctg ccaactatct gaacatcaag ggattgctgg a 471

<210> 24655

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G5

<400> 24655

ctctcttctt ccccttcctc ggcggttttc caccattcag gttcagactg gaggggcctt 60

cgtgccaatc tccagtgcgt gttcttcagt ggaggcgccg gccggactcg cgatggagcg 120

ggacggccag cagaccgcc gcgacaagct catcatcgat acggatcccg gcatcgatga 180

tagcatggct atcctaattg cgttcagagc acatactctg gaaatcattg ggctcacgac 240

catattcggc aacgtcgaca cagaaggcgc aacatgtaat gcactattgc tgtgtgagag 300

agcaggacat cctgaggttc cagtagcaga gggcagccac gagcccctaa agggaggaaa 360

gccccgtatt gctgattttg ttcattgggtc agatggcatt gggaatctgt ttcttcctgc 420

acctctgct aagaaggttg aggaaagtgc tgctgatttc atg 463

<210> 24656

<211> 159

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G7

<400> 24656

caccgtttca gtaggttcca ttgttcatag tagcctgaca tccttgtgct gcttctctgct 60
ctgtgagccc atttgttatt taattcattc aattagttga aattatacgc tgtcgcactg 120
gctgatcaat catgtttag aatgggccag gaacccttc 159

<210> 24657

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G8

<400> 24657

gcgcgcgctc gtcgccggcg ggtcgtgcgg gccccgaag gtgccaccgc gcccacaacat 60
cacgagccaa ctacaacggc aagtggctca ccgctagggc cacctgggtac ggtcagccca 120
acggtgccgg cgctcctgac aacggcgggtg cgtgcgggat caagaacgtg aacctgccac 180
cctacagcgg catgacggcg tgcggcaacg tccccatctt caaggacggc aagggtgctg 240
gctcatgcta cgaggtgaga tgcaaggaaa aacctgagtg ctcgggcaat ccagtcacgg 300
tgtacatcac tgacatgaac tacgagccta tcgctcccta ccacttcgac ttgagcggca 360
aggccttcgg ctccctggca aagcccgggc tcaacgacaa gattcgccac tgcggcatca 420
tggacgtcga gttcagaaag gtgcgatgca agtacccc 458

<210> 24658

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G9

<400> 24658

acgcccacgc gtcgcccac gcgtacggag ctagctagcc agccagccag cagccagctt 60
gctgggcgcg cccgtccttc ttctcgcct ccgttcggtt ccgttcggtc ccgcccgcgc 120
ccgcccgcgc attcagggat ggagatgaag aagatcgcct gcgcgcgtct cgtcgcccgc 180
tcggcggcca ccgtggcgct cgccgaggag gctccagctc cgggccccac cagcggctcc 240

ttcgccgtcg cgcccgcgt cggcgccagc ctccggggccg acgtcggctt cttcttcgcc 300
tactacattc agtgagccgg ccgcagccgg tcgcccggag gccgaagaag agactaagcc 360
ggagagaaaag tgacatggct gcgcgca 387

<210> 24659

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H1

<400> 24659

cccacgcgtc cggtgatttg aaataattgg gaataaatag ttcgtgaatc cctgaagcgt 60
gcgatataata tattcctgcc aagataaagg taatggagtc gtcacgcagg ttccagccgg 120
ccgtcatcct gcttctcctg ctcatgtgtt ccaccgatat ggacacaggca agggaatgcg 180
agaagtacag tgagcgattt gttggggcat gcatgatcgc agacaactgc gccaatgtgt 240
gcgcgcggtga gggcttcttg gccggcaggc gcagcacctt ccgccgccgc tgcattctgca 300
ctaggcagtg ctaaacaaga tcgctcgatc gctcgccatg catcgacaac ctattcttaa 360
taacgttcat tatctcgttc ttatttatga cgaatgtcat gtatgttctg gtgactgtca 420
tgtatattct gatgactgtc atgtatcttg ttcattgtat ctcaagggtc atta 474

<210> 24660

<211> 314

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H10

<400> 24660

aaaaaaaaa aataacaaaa atacacaaaa ttaaaacttag acaacaaaca aaaaaacact 60
atgctaagtc aaacatgcgc agacaagcac agtcaaaaga caaactatgc aaaaatgaac 120
tggccccgtt gttccttcca acatcaccaa cttgagctcc ttcgacaata gcaaaactca 180
tagcacatcc acttgccatg acgctacctc ataatccaac cgagacacct ggaaactcac 240
gagcttcata ctcaaactca acatgctcgt atgaccactc atcttcacag gcctattccc 300
ggaaaacttc acca 314

<210> 24661
 <211> 426
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-H11

 <400> 24661

 aaccgaccga ttaaccacc accgcctcgc ctctcttctt cgtctcttctt cggacaaagc 60
 cggggccggtt cggcgaggagg caggggacgc acgggcaggc agccatgaac ggcacatcaacc 120
 ccaacggcggg gttcctgtcg tacgggaaca tggagagcta cgcgatgtgg gtggcgaccg 180
 gcgtggcgtc ggccttcttc gcgtccctcg agcgtgtctc ctgcatccac ctccacaccg 240
 cggaggacga cggcgtcgag gaggaggagg acctcgagga ggcccgcgcg tccttctctccc 300
 gcccgatccc tgagtactac tacgaccggg cgggctcctc cgactccgtc gccaatgatgt 360
 gacctgaccg aaccgcgcct tccttcggcc aagaaatgcg tggatgatac atcccgttct 420
 tgatct 426

<210> 24662
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-H12

 <400> 24662

 cgacaagatg gcgtgcacag acaatgcgat tagagccttg ttctctcttg tcctcttctg 60
 cgtcgtgcat ggtgagaagg aagagtcaaa gggcatcgat gcgaaagcgt ccgggccttg 120
 tgggtccttc gacatcacca agttgggagc ctccggcaat ggcaagacag acagcacgaa 180
 ggctgtgcag gaggcattgg catcggcggt cggcggcact gggaagcaga caatcctcat 240
 acccaagggc gacttccttg tcggacaact caacttcaca ggcccttgca agggcgacgt 300
 gaccatacag gtggatggca atctgctggc gaccacggac ctaagccagt acaaggaaca 360
 tggtaattgg atcgagattc tacgcgtgga taacctggc atcaccggca agggaaaact 420
 tgaacggcaa ggccca 436

<210> 24663

<211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-H3

 <400> 24663

 cccacgcgtc cgcccacgcg tccgcaccaa ttccgacgag aaattaaaag cgctccaact 60
 tgatatctat ctcaacgcca agatatacat aatataaaca acacacaaat tccatacaga 120
 cctcattctg attatcctac tcattatgcc cactccatac aacacatata atgcaatacc 180
 acaattacac acctctatac ctcttccact catactcgac accatctaca ccaatgtata 240

<210> 24664
 <211> 463
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-H5

 <400> 24664

 cggacgcgtg ggcggacgcg tgggaggacg cgtggggcgcg aggataaggc gagatctcga 60
 gggcgtgcct accgtccgct cgctccgtcct gttcttcgct gtcgtcgtcg ccctcagcag 120
 cagctcgtc gctttatcca ccttgagtga cgagttaatg cctgagtgtc gctgacctga 180
 ccaagtgacc accataccat cctgctcctt tggacctttg cgcgcgcgga ggacagttgg 240
 tgctggcacg caccggcaacc atgcacgacg acacagcggc aggcttgttt gcgatcgtgg 300
 cgtggctgta caccgccacg gagcgagggtg agcacgggtg gctggcagcg tacgtcaggc 360
 ccgggtcgtg ctgtacggng cggctctgta cactgttggc ggtcgtcca tgttttccgt 420
 gcacgagatc tttgatatat gccgcacgta cagtcgtggg tgc 463

<210> 24665
 <211> 465
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-H7

 <400> 24665

 gtggaggact taatacaaaa agcagttatg catttcttgg ttaatcatat aaaaagggcg 60

ctgcataatt accttataac aaaactttat agagatgatc ttttgaaga cttgctcaaa 120
gaacctgatg agataaccat aaagaggaag cagatacgtg aaaatctcaa ggtccttcaa 180
caagcttaca aaactttgga cgagatacca cttgacgcag aggcagtaga gaggggtgga 240
tactccctgg attctgatgc gattggtctg ccaagggccc atgggctttc ttcacccctc 300
cacggattca acgatggaag ctacccatat tcaaccccgga agcagtcaag gtcaaggagg 360
tcaaaccatt ctggcgagca gcttcctttc aaccccaata tgagtggcaa tggtttttga 420
tgccaccctt ctacgttaca agacggccaa ccagattggt tatgg 465

<210> 24666

<211> 471

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G2

<400> 24666

cgcgctccgca cagcgtgcg cggacgcgtg gtcggactct tgatcagacg cgtgctcgga 60
cgcggtgttgc cgtgcttaca tgagtctaag cgatcttcat ccacccttct gctctgctcc 120
ctcgaaatgg aggccacgag caacgcgatg gcttcaggcc tctccttct gctgcttctc 180
atcaacacag gctttgtcct gccatccat tccgaggact gctgggccaa caccgcgtc 240
atctgcacca tcacgcacaa ctgccgaac gacattgct cggagcgcag catgcctcac 300
ttccgctgcc actgtgagtt acccaacctg aagcccttct gacagtgcct gcgccccaac 360
tgccactagt ccggtgcct cgtattggct cacttctcca gcgatcatgg atggagccca 420
actgctactg cccaatctgc ttcattcttt aatgtttaag gcattcttta t 471

<210> 24667

<211> 469

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F1

<400> 24667

ccttgaagaa ggttggttctt tctgatggtg cagtcgtaac agtgaagggt gctagagctg 60
ggagcctccg tttgccgctt gaattaccac ttcctctcaa ccgtaccact tacaagggtc 120

gcctctcaag cctgatatcc atcgacacaag ccctgcgtgg tgcagcccgg tctaatacaga 180
aaccctctgt ctctcttcgc gttgaggggtc cagtttcctt gtctctgact ccttccatgt 240
ctcccaagga caagctcaag ctcaaacggt tggccccagg ccaagtggag ctctcctcac 300
aggcgggggc aatccctgct atcaccgaag acgaggatga accacataac cctggattgt 360
ggcctctttt gtctctgaat ggttcagatg gcagcctgca ggggtttgaa gagctattgg 420
cctcagtact tggaaagaag gcaggcgaga agggtcctct caagctact 469

<210> 24668
<211> 428
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-F10
<400> 24668

cagcgtggcg tttgtcaaca acaaattcgt aggatgtggg cacgggacca agatgaacaa 60
ggcgtggacg ctcgagaagc ccatggacct gaagaagggc gtgaaccacg tcgcggtctt 120
ggcatcgctg atgggaatga cggacagtgg cgcttacatg gagcaccgtc tggccggcgt 180
ggacaggggtg cagatcacgg gcctgaacgc gggcacgctg gacctgacga ataacggctg 240
gggccacatc gtcggcctcg tcggcgagaa gaagcagatc tacaccgaca agggcatggg 300
cagcgtcacc tggaagccgg ccgtgaacga caggccgctc acctgggtaca agaggcactt 360
cgacatgccg tcgggagagg acccggtcgt gctggacatg agcacgatgg gcaagggcat 420
gatgttcg 428

<210> 24669
<211> 128
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-F11
<400> 24669

cccacgcgtc ctaaaaaaaa aaaaaaaaaat ttaaaattta cataaaaaatc aaaattaaaa 60
atgaaattgt tataaaacaa acaaatatac ataaacaaat atatttaacc aataactcat 120
atataaaa 128

<210> 24670
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-F12

<400> 24670

 agaggatcgg atcagaagaa aagaatagtt aggtcccggg ggtcgatcga acgaagctgc 60
 tgctgctacc ggccggccgg gcatgacgat gacacggacg atgtgcctag gcctgctgct 120
 tctactactg gcggcgggcg cgacagcgac ggcgcatctc acggtcggcg atgtggatga 180
 gtacgtgtcc aagcgcacgc aggagtcccg ccacaggaac aacgggtggcg cgggcatcga 240
 tgacctcatc tccagtgcgg cgcgcttcca cgccaacgtg gatgcacgcg cctatggccg 300
 tagatccgac ctgcaggagg aggcaacagc taccgtaata accaaagcgg aagcacaaga 360
 ggcttcagct gaaggtggcg attaacctac ctaaccatat tatttattca ttcatatgca 420
 tgcaccttg ntgctatg 438

<210> 24671
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-F2

<400> 24671

 cccacgcgtc cggccacatt caccatcacc aacaactgcg gctcgacggg gtggccggcg 60
 ggcaccccg tggggcgcgg tacgcagctt gaccccgggc agacgtggac cgtggacgtg 120
 ccggcgggga ccagtcagg cagggtgtgg tggcagcctc ccatgacgct ggccgagttc 180
 accatcggcg gcggcggcag ccaggacttc tacgacatct cagtgatcga cggctacaac 240
 ctgcccacgc tcttctcgtg cagcaccggc gtgaccctca actgcgggcg gccagctgc 300
 cccgacgcct acctgtttcc cagcgacaac accaagaccc atgcctgcag cggcaacagc 360
 aactaccagg tcaccttctg cccgtgagat cgcgcggtgc aggcattgcg cagtgtggcc 420
 ggacgatgtt gcaatatgca atgcatgctc cagcgggtcca g 461

<210> 24672
 <211> 473
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F3

<400> 24672

```
gctttccaaa gccttggtgt ggtgtttggg gatttaggca catcaccttt atatgtcttc 60
ggcaacattt tccctcatga aattgaagac acggaacaaa ttattggagc actctcgctt 120
gttatttact cccttacctt gattccactt gttaagtacg tgttcattgt cttgagggca 180
aatgataatg gccaaagggtg aacatttgct ctttactcgt tgctttgccg gcatgcaaag 240
ataaacacta ttccgaatca gcatagaaca gatgaagaac taacaacata cagccgccac 300
acatatgatg agaaatctct tgctgcaaag atcaaaaggt ggtagaggg gcaccaattc 360
agaaagaatg tcattcttat tcttgttctt tttggtactt gtatggcagt tggagatgga 420
atcctcactc ctgcaatatc agttctttct gcaactggag gaatacaagt gga 473
```

<210> 24673
 <211> 471
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-F4

<400> 24673

```
cggacgcgtg ggcgacgcg tgggcggacg cgtgggcgga cgcgtgggct gatcgacaag 60
gtgacggtca agggccccgg cgacagcccc aacacggacg gcatccacat cggcgactcc 120
agcaacgtga ccatcagcag caccaccatc ggcgtcggcg acgactgcat ctccatcggc 180
cccgggagca agatgatccg catccatggc gtcaagtgcg gcccaggcca cggcatcagc 240
gtcggcagcc tggggcgcta caaggacgag aaggacgtgg aagacgtgca ggtgacgggg 300
tgcacgatcg ccggcaccac gaacggcctg cgcacaaagt cgtacgagga ctccaagtgc 360
tcgctcaagg ccagcaagtt cctgtacgag ggcacacca tggacaatgt ctactacccc 420
atcatcatcg accagaagta ctgccccaac aacatctgcg tcaagtcccc c 471
```

<210> 24674
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-F5

 <400> 24674

 cccacgcgtg cgccacgcg tgcgcacacg cgtctgctga cccctttaca ttctctctct 60
 cgggcacgta ttgcgcggcg tggaatttgc tccctcggca ttctaccatt tatcaatgca 120
 cagatttgtt ttcaactcct tgcgcaactc taccctaaaat tgcaagacct tcatcggaaa 180
 gaaggggaag caggaagaaa gaacgttctt cactatacaa gatatgcttc tgttggattt 240
 gcaattgttc aggccattgg acaagttctt tatctccgta cctatgtgaa tgatttcagc 300
 acagaatggg ttctaacatc tgtgacatta ttgacacttg gatcgggtctt tactactttc 360
 attggtgaaa gaatatctga tctgaaactt ggaaatggaa catcacttct tatattttaca 420
 agtataatat catatttgcc tgcacatca 447

<210> 24675
 <211> 369
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-F6

 <400> 24675

 gctgactcgg cattgaacca ttcacatcatg cacacattgt gtaccaactc cttgcgcac 60
 tctacccaaa attgcaagac cttcagcggg aagaacgtga agcacgaaga aagaaggtag 120
 ttcaacatac aatatatgct tctgttgat ttgcaattga tcatgccatt gtacaagtgc 180
 tttatctccg tccctatgtg aatgatttca tcacagaatg gctactagca tctgtgacat 240
 tattgacact tggatcgggc tttactacta tcattgacca aagaatatct gatctgaaac 300
 ttggaaatgg cacatcactt cttatattta caagtataat atcatatttg cctgcatcat 360
 ttgagagga 369

<210> 24676
 <211> 475
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-F7

<400> 24676

caaccgaaac cgatggcgtc gggctccgc gccggcgcg ggagcgactt ctccgtggtc 60
gtggtgggct ccgacgtcgc cgaggcgaac gcctgcttct ccgacctcga ggagcgccag 120
gtcgtgcgcg tccagggcac cgatcgggcc cgccgaacca tcgtccgcgt cgtcggcaag 180
ttcttcccg ctccagcaat tgatggtgaa cgtctgaaaa agtatgtgtt ctacaaactc 240
cacaccgaat tgcctgtggg tccattctgc atcttgtaca tgcacagtac tgtgcagtct 300
gatgataaca accctggagt gtcaatcttg aggacaattt atgaggagct ttcacctgag 360
tacaaggaaa ggcttcaggt tttctacttc ttgcatectg ggcttcgctc caggctggcc 420
atcgccacac ttggcaggct attntaagt ggagggttgt attggaaaat caagt 475

<210> 24677

<211> 460

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-F8

<400> 24677

ggctgggttcg tggatgccgg cgccacaggc tctcctgctg tcgtgctgg tcgccgtgct 60
aggggtggcc gccgatgtcg ccaacgccgg ccacgccaag cccctgacgc ctggcgggcg 120
cgtggtacac cacaaccacg gcaagttcac ggccggggcg tggaaaccg cccacgcgac 180
cttctacggc gggcgggacg ggtccggcac cacggcgggc gcgtgcgggt acaaggacac 240
gcgcgcgcag gggatatggc tgacagcggg ggccgtgagc acggtgctgt tcggtgacgg 300
cgcggcctgc ggcgggtgct acgaagtgcg ctgcgtggac agccctagcg ggtgcaagcc 360
cagcgcggcg aactggtgg tgacggcgac cgacctgtgc ccgtccaacg accagcagtc 420
cgcgacacag ggcgggtggt gcaacccgnc gcgggagcac 460

<210> 24678

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F9

<400> 24678

cattaatagc ctggtggctg gcagagagat caccgggatc gcgagcttca agcctgctgt 60
gtcagcggaa tcacgcctgt gaaagttgtt tttttctttg ttcccgaaga cagtagaaat 120
caaccttgta cattcatatg attgggaata agaccggtag gaaagctgta aaactcgacg 180
tgcttcctcg tatgtactgt tctgtttaaa attattcgac gttttgtcgg aacggaacgg 240
aggacctgta tggctgtata tgatactaata cctatatatc acgcagtttt tgaagatttt 300
gtaaaaaaaa aaatgaagtg caaaatcctt aacatacaaa aaaaaaaagg gggcccc 357

<210> 24679

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G1

<400> 24679

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggcg gacgcgtggg 60
cgcgtgcgta cattaatcta agcgatcttc atccagcctt ctgctctgct ccctcgaaat 120
ggaggcgacg agcaaggcga tggcttcagg cctcctcggt ctgctgcttc tcatcaacac 180
aggctttgtc ctgcccgtcc attccgagga ctgctgggcc gacaccgcg tcatctgcac 240
caagacgcac aactgccggg acgacacttg cgcggggcgc ggcattgccg acggccgctg 300
ccactgggag ttccccaacc tggtgccctt ctgccagtgc ctgcgccccca actgccacta 360
gtccggggcgc ctcggtattg ctacttcgc cggcgatgat ggatggtgcc caactgcgac 420
tgcccagtct gctccattcg ttgttgttta aggcataata tataaact 468

<210> 24680

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G10

<400> 24680

cacaactata tcaagaaatc acaggttctt gacgactgcc ctggtgatct gaatgactgg 60

ggccggcaca catctaaagg cgcattggcca ttctccaccg cggatcatgg ttggcctata 120
tctgattgca ctgctgaagg actaaaggct tcattattgt tatcaaagat ttctcctgaa 180
attgttggtg gaccgataga agctaataga ttttatgatg ctgtcagttg tctgatgtct 240
tatatgaatg ataatgggtg ttttgcgact tatgaactca caagatccta tgcttggtg 300
gagctgatca atcctgctga gacctttggg gatattgtga ttgattaccc gtatgttgaa 360
tgtacatcag cagcaatcca ggccctgaca tcattcagaa aactataccc tgggcaccgc 420

<210> 24681

<211> 438

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-G12

<400> 24681

aggacagcga catattcaag tgctacgaca gctgctccga cgacgtggag gaggccgtcg 60
ggcaccgcaa cggcctcgtc cgggagccca ccgacgcaa gttcctcgag ctcaagtcgt 120
ggctctcttc cagctcggc ggcacctcca cctgcgagga cgctgcaag gacctgccc 180
agaccagcga caaggacgac gtcgtcaact tcagcctcga cttcgagaag ctgcagcgcg 240
tcacgctcga cctcatcacc gaggcgtccg gcaccatgtc cgcaggcatc gtcctgccac 300
cctccaacgc cggagcgccc tcctacggcg cggcggcgcc ttccgggggc tccgncgatg 360
ccccgcggg cgctccgag ggccctgcga gcgccagcgg cccgtctggt gacgacgcgc 420
cggcgtccgg tgctggtg 438

<210> 24682

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-E9

<400> 24682

acggcagcgt ctgatctttg ctggcaagca gctggaggat ggtcgcaccc tcgcggacta 60
cagcgtccag aaggagagta cccttcacct tgttctccgc ctcaggggtg gtatgcagat 120

ctttgtgaag accctgactg gaaaaacat aaccctggag gttgagagct cggacacat 180
cgacaatgtg aaggcgaaga tccaggacaa ggagggcatc ccccgacc agcagcgtct 240
gatcttcgcc ggcaaacagc tggaggatgg cgcaccta gcagactaca acatccaaaa 300
ggagagcacc cttcaccttg tgctccgtct cctgggtgtg cagtaagtca tgggtcgttt 360
aagctgccga tgtgctgca tc 382

<210> 24683

<211> 427

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-D6

<400> 24683

aaactgcgcc gcagggaggg ccagaggctt cttctttgaa ccacgaaccg gctccccgcc 60
aggagaaaaa aaagccgacg acaaagaaaa agcgttcttg ggctccgtcg tcgcatgaag 120
aaggaaacca tggaggggca tgtgccattg ccattgccat tgctcccga cggagaaact 180
gcggtgggct acagcaagga cgccgctcnc tcctcctcgg cggctctctc gcctctgcaa 240
gaggagattt cgagcctgcg atcgaggcag cggcgtgttg acaggagacg gcgggaggcg 300
ctcgacaggc tcgttgacct gaaaagaagc gttaggtct tctgccgggt ccggccgctg 360
gctcacacga acagcttgca tgcccaatca tcaccttgta ccgtcgagca ngagaggatc 420
acggtca 427

<210> 24684

<211> 497

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-D7

<400> 24684

ccgtccggga gaagtacccc aaggtgcat accaagaaat ttctaagggc cttgcnnttg 60
ataggtannt ggtctgata ggggggttct tgactnacgc cgtatcacag agnngctggt 120
tttacctggc nnattggtgt tgggtccagc ttatcnatgg tcttcggcct attattagag 180

tttatgacat nttaatnttc tcgatgcagg cttattgatc atatcatcaa ttcagctgcc 240
 aagtcaaatt atatgtcagc tggtcagata tctgttccta ttgttttttag aggaccaaac 300
 ggagctgctg ctggagttgg tgctcaacac tcacagtgtt atgcagcttg gtttgcacat 360
 gttccaggac ttaaggttct cacaccatac tcttcagaag atgcccaggc cttgctcaaa 420
 gctgctatca gggaccctga tcctgttatt ttcctggaaa atgaattgct ttatggagaa 480
 tctttcccag tttctgc 497

<210> 24685
 <211> 447
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D8

<400> 24685
 cccacgcgtc cgatggaagt agcaatggca cctgaatcag ctacaaacca tgatccaatc 60
 cgggcgggcta gcgatctcta gtttatatta caattaggag caagcgatcc aattatcgat 120
 agagcgcgag atcgatcgat catgccgggc cgctcgggtg tctccatcct gtccttctc 180
 ctccatggcc tcctctgcct gcagctggct gccttggccg agatggacga cgacgacgtc 240
 atggaggacg gcagctgcat gcatttcagt gtgtccccga cgcctgctcc gccggaggac 300
 gcggatgagc ggcgcgacta tttccgcgcc atgcatgcca aggatctgtt ccggcacgag 360
 cagatgatca cgatgatggg cagcgaccgg aacggcagca gcaggaggcg gctggcgaat 420
 gagtcgtcca agctgccgga ggtcatg 447

<210> 24686
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D9

<400> 24686
 tgatcgagct ctgccaggag ctcacgtga gcagcgacaa gaccatcgac gggcgcggag 60
 cgcaggggca catcgtgggc gcgcagatca cgctgcagaa cgtgcgcaac gtgatcctcc 120
 acaacctgca cgtccacgac gccgcggcgc acggcggcgg cgcgatccgg gactcgcagc 180

accactgggg cgtgcgcggg gagagcgacg gctacggcgt ctctcgtgatg ggggtccagcg 240
 atatctggat cgaccacctg tccatgagca gctgcgcgga cgggctgggtg gacgcgggtgg 300
 accgctacac cgacatcacc ggctgcaacg gccacttcac gaggcacgac cacgttatgc 360
 tgatcggggc cagcgacgcc gtgttcaagg acaggagat gc 402

<210> 24687
 <211> 468
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-E1
 <400> 24687

caaagattca ttgggagatg gtgttgtcag aggaagaata ctgatcaciaa ctcggaacga 60
 ggaagtggca acaagcatga aggcaactat ccaccatgtt gacaaaatgg accctgagag 120
 tgccctgggca ttattgtgca atcaagttga tgcagaatgc aattcggaag agcttgcaac 180
 attaaaggat gttgggatta agattgcaga gaaatgtgat ggccatcctc tagcaatcaa 240
 ggtcattgca ggtatcctaa ggtcaagagg caacagcaag gctgaatggg agatggttct 300
 gaacaatgat tcttgggtcca tgtgccccaat ccttccagaa gtaccacaag ccgtgtatgt 360
 tagttatgtc gatctttctt ctcaactgaa ggagtgtttc cttcattgct ctctgtatcc 420
 agaagaattc cctattcagc gctntgctct tgtgcggcgt tggattgc 468

<210> 24688
 <211> 437
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-E10
 <400> 24688

gattccgaca ccgctgggct cagatgccgt cgcgcacgcc gccgccgcag cagcagcagc 60
 ggcagtccgg catgactctc tgccgcctcc ccaaggccac tcttggcctt cccctttctc 120
 tcccctgttt gctacctcgt tcccgcctcc gccgtgtgctt cgcgcacgt catgccaggg 180
 ccgtcgcgcg cagggtcttc tcatcctctc catcaccgga ctcttcattc ggttcgcgga 240
 tggaggagtc cgtcaagaag acggtggccg acaaccccggt tgtcatctac tccaagtcac 300

ggtgctcata ttgcatggag gtgaaggcgc tcttcaagcg gatcgggtgtg cagcccccattg 360
 ttatcgagct tgaccatctc ggtgctcaag gaccacaaat acagaaggta ttagagaggc 420
 tgactggaca gtctact 437

<210> 24689
 <211> 427
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-E11
 <400> 24689

cccacgcgtc cgcccacgcg tccgagaccc ggtcccccaa ttccaattcg cccctctcgc 60
 ggccggggctc gcgagacgcc gattcggatc ccatctcctg ctcagagcct cgattcgacc 120
 ggcggtggcg acgattcgac cgggtcggta gccaggcaga ggcagcggaa ggagaggatg 180
 agcttccagg acctggaggc ggggcacgtc cgcgggggcgc cgctcggcgg cggccggagg 240
 aacggcaggg gccccgcgga ggcggggggc gccggcgccg gcgcgtcgca tgccgtggcg 300
 tcgggcgtct tccagatcaa caccgcggtt gccacgttcc agcgcctcgt caacacgtc 360
 ggcacgcca aggatacccc cgaccttcgc gacaggatac ataaaacacg gtaacacata 420
 acacaac 427

<210> 24690
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-E12
 <400> 24690

cccacgcgtc cgcccacgcg tccgcggaga atcggattgc tcccgaccgc gattacgccg 60
 aggctgtcaa gcacaccaac tccggtggca gcatggagct gcttgcgctg aatgttcaga 120
 tataccttca aatgaacagg acggaccacg cagagaagca gctcaggggtg atgcagcagc 180
 tggacgaaga ccacacgctg acgcagctcg ccaacgcatg ggtcgacctt gtgctgggtg 240
 gttccaagat ccaagaagcg cgcctcatct tccaggacct gtccgagaag taccgcagca 300
 cctgcacgat tcttaacggg aaagccctgt gctcgatgca catgggcaac ttcgaggacg 360

cggagggggtt gctgctcgag tcaactgaaca aggacgccaa ggatactgag ac 412

<210> 24691
<211> 101
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-E2

<400> 24691

actagttcta gatcgcgagc tgccgacaaa taaaaaaaaa aaaaaaaca aaaaaaaaaa 60
agaaaaata ataatcata aaaaaaaaaa ataacgaca a 101

<210> 24692
<211> 468
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-E3

<400> 24692

accgagagag gaacgcgaac aaccaacgat cgcctcatcg ccatggctcg ctctgtcccc 60
ggcgccgtcg ccgtcgcgcc tctgtcctg ctctctctcg tctccactgc gtccgctgca 120
cggaccgtgg gcgacaccgt gcaggacgcy tgcagcaaga cacaattccc caagatctgc 180
gtggacagcc tcgccgcaaa gccagagagc cagaaggcga ccccgcgccg gctggcggag 240
ctgttcgtga acatcgcggc cgagaaggga tccgggatgg ccacgttcgt gcacgggaag 300
tacaacaacg ccaaggacag caccgtgttc aagtgtctac acagctgctc ggacgacgtc 360
gaggaggccg tcgccacact caacggcctc gtccgggagc ccaccgacgc caagttcctg 420
gagctcaagt cgtggctctt ctncacgctc ggcggcacct tcacctgc 468

<210> 24693
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-E5

<400> 24693

gagaatccgg actggtagaa actactacag aaggggtccg gagggcaatg acatccacca 60
gagaaatgtt cctcacatca gggttgaatt tcgacacact atctggaaag aagaaatgga 120
gctgatacat ttggaatg ttaacctacc cgaagaagtt gacaggtgaa gagcagggga 180
attgcagtga agtctggcgg tggcggcaag gggacgagag aatgtgtcaa cacgagagac 240
tcgtttgctt gcagaggagg tatcatgaca atggatgtcg ccaagtcctc cgtgtcgacc 300
atatatatat gaagaataat aagaaaacac aaatacccaa gtatttagaa gcgttgaatc 360
cagatgtggc atgaggtcgg agccaacgtg tacttgcata cgttacgttt atatacatgt 420
actgctctgc tggaatggtg tttcg 445

<210> 24694
<211> 467
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-E6
<400> 24694

cccacgcgtc cgtcttgctt tgcagtacca ttttatgcag accttcatac tttgctttgt 60
gggtaccttt tttttgagta attgacctag ctacatcatc ctgctttgct taatagtcct 120
actcgtatgt atctttaatg taagcagaat ttacttttgg tgcgtgcaa taagaacacc 180
gagctttgga aattttctct taaaaaata ttcgcttgct cgtactttta ctgggagtca 240
ttttctgggg gtgctgctcc gtcttcttct cgcgtcaccg tcctttttcc tcctttacca 300
aagcctcata ttgcatgtgt cgattgcaga taacagtctg ataccccccc acccactgcc 360
ttcactgact gctagagccc ctcttgctca gtacagtgtt tgggtgctgaa tcaaaccac 420
tgaagatgcc aagttctgaa ccagacagtg atgatgtnt ctttgac 467

<210> 24695
<211> 188
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-E7
<400> 24695

cccacgcgtc cacagacgca tctacctacg cttggatcaa cccgataaat tcgtacagac 60

acgtgatcgt ttccaagcta cctatgcttt taatcctact actctgcaat gaaagcactg 120
 tacataccct ttaccacatt gtacaagatt cataccaaaa gacacaattc tataagatct 180
 aacttgac 188

<210> 24696
 <211> 458
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-E8
 <400> 24696

gaagcttttg ctgggaacct tgaccagaac agcctgctgg gcactttaga ttctttctct 60
 ggtggaggca ttggccggtt tggaatttgc tcccttggca ttgtaccatt tatcaatgca 120
 cagatttgtt ttcaactcct tgcgcaactc taccctaaat tgcaagacct tcagcggaaa 180
 gaaggggaag caggaagaaa gaaggttctt cagtatacaa gatatgcttc tgttggattt 240
 gcaattgttc aggccattgg acaagtctt tatctccgtc cctatgtgaa tgatttcagc 300
 acagaatggg ttctaacatc tgtgacatta ttgacacttg gatcgggtctt tactactttc 360
 attggtgaaa gaatatctga tctgaaactt ggaaatggaa catcacttct tataattaca 420
 agtataatat catatttgcc tgcattcattt gggaggac 458

<210> 24697
 <211> 472
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-D5
 <400> 24697

aggcagaagc agagataatg gacgacgtac atgtctgggt cgtctcgtg gcctgccttg 60
 gtggtttgta catcgccgcc atctgctggc ggccctcgc ctatctcgc ttgtgcctgc 120
 gtgggccgaa ggacctgcac cgctacggct catgggccat ggtgactggc ccgacctccg 180
 ggctcggccg gtccatggcc atggagctcg cgcgacgggg cctcaacctc gtctctcttg 240
 acctcgacgc caacaacctc caggagacct acgaggccat caagtccgtc caccctgtga 300
 agataaggac tgtggttcta gacctctccc tcgtcgccac accagaaggc gacaaggcga 360

tccgacgtct gcgggaggcg atcgaggggc tggacgtggg gatactggtg aacaacgcgg 420
 cggtgaacac gcctggcgca gtgtacctgc acgaggcgga catcgagcgc tt 472

<210> 24698
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-C12
 <400> 24698

cccacgcgtc cgcgagcgcg tgggttcaga ggggtggcaat aagagctcag gtgatgggtg 60
 ggcaagtgaaggggcatcag ccttggcagc tctttcatcc gcattgaatc catcgtcgca 120
 aggaaaacag tcagatgaga ggcccacaaa acccagcagc acacaggcgc agtctcattc 180
 aggccaaggg tctcagagag ccgctgctgt tgcagcactt tccaatgttt tgactgcaga 240
 gggatcgcac agcccccgcc acagtaggtc gtccccaaca gcagatgctg agaagactga 300
 attagctcct gcttctcctc accagttgga aacagggcct gcagaagatg tccggacaga 360
 gcctgatgtc tcacaggaac aaactgctaa cgaaaacgga ggccagacca ccttttagcta 420
 cgaccgcttg gtatcaaagt ctac 444

<210> 24699
 <211> 468
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-C2
 <400> 24699

cggacgcgtg gggccggggc ggccgtcgct gccgcctacg gtgccaggt cttcctgccc 60
 ggccttcgcc ggcgccgagc acgagaagaa ttgtagttgc atcctaagca tggactgtaa 120
 tagtgatgat cttgataagc agaatgaagt gacgggatct cgagtattca ttcctcaaga 180
 tgccaaggg gttatccttg cttttcttcc tggcagggat gttgtcaagc tccgcagtgt 240
 gtgcaagttc tggctagagt gcgttgaaga acatagtttt atggaccgtc acctgaataa 300
 tgcttgccgc taccaccagt ccattgcttg tttcacctcg cttgatcatg gcctagtcca 360
 catgtacaca ttgatcctg ccacaatgaa tttcagaagt gtggagctcg tgttctcaag 420

taggtttaac atgtcagccc cctgcaacgg cttggtgtgt gcctatga

468

<210> 24700

<211> 467

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-C3

<400> 24700

gacaattttc tcgtaacctt ccgggctcct cttcctctcc tcgcgttccc ccaccaaac 60

gtaatccgag caccagcgt cccaggccct acccgcttcc tctcgcgccg gcctttgggg 120

ctctcaccct gagcggtagg aatccgcagg gctccagttg ggtgccagaa gcatccaagt 180

cgttggcggg agaccgggaa atggcggaaa aagagggggc gaagggtggg gcggaagaga 240

tggaagagcg ggagcaggaa ggggaggcgg aggaggtgga ggtgaagttt cgtctcttcg 300

acggctccga catcggtccc gtgcgctgca acgcccncac caccaccgtc gccgctctca 360

aggatcgctg cgtcgccgac tggcccaaag ataaacaaat tatcccaaag gctgctagt 420

atgtaaaact aataagtgga ggcaaaattc tagaaaatga caagaat 467

<210> 24701

<211> 463

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-C4

<400> 24701

ctcctcgacc ctcccagcgc ggaaaaaaaa cagggaggag aggagggaga aagggaagag 60

ggggccgaaa tctcctcccc ctttccaaat cctggctcaa taatctctcc atcaggggat 120

cctaaggctg atcactgatc aggtcggagg actcggcggg cgcaggcatg aacgagaagg 180

cgtecgcttc caaggagctc aacgccaagc acaagaagat attggaaggt cttcttcggc 240

ttcctgagaa tagagaatgt gcagactgca agtcaaaggg tcctcgatgg gcaagtgtta 300

atctcgggat ctttatatgt atgacatgtt ctggaattca tagaagcctg ngggtgcaca 360

tatctaaggt aagatctgct accctggata catggctgcc agagcaagtt gcatttatcc 420

aatcaatggg aaacgaataa gcaaatagcc attgngaagc aga

463

<210> 24702

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C5

<400> 24702

cccacgcgtc cgatgagcag ctgcgcggac tggctggtgg acgcggtgga cggctccacc 60
gggatcaccg tctccaacgg ccacttcacg aggcacgacc acgttatgct gttcggggcc 120
agcgacgccg cgtccaagga caggagatg caggtcaccg tcgccttcaa ccacttcggc 180
aaggggctgg tgcagcggat gccgcgtgc cgtcacggct tcttccacgt ggtgaacaac 240
gactacacgc actgggtcat gtacgccatc ggcggcagcc ggaacccac catcatcagc 300
cagggaacc gcttcgcgc cgtcgacgac agcaggttca aggaggtgac caagcgggag 360
tacacgcagt acagcgagta caagaactgg gtgtggaagt cgcaggacga cctgttctc 420
aacggcgctt tctt 434

<210> 24703

<211> 482

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-C6

<400> 24703

cggacgcgtg ggtccgcacg atgccggccg tcgggcccgg gagctaccg gggcggatcg 60
ccgtggtcgg tgacctgcgg gctcacctac aacaccacct cgacggtgga ccacttggtg 120
cgcaaccgcc ccgacctggt gctcctctc ggcgacgtct gctacgcaa cctgtacctg 180
accaacggca cgggggcgga ctgctactcc tgcgccttcg ccaagtccac gccatccac 240
gagacgtacc agccgcgctg ggattactgg ggaaggtaca tggagcccg gacgtcgagc 300
atcccgatga tgggtggtgga gggcaaccat gagatcgagc agcagatcca caacaggacg 360
ttcgcggcct acagctcgcg gttcgcgttc ccgtcggagg agagcgggtc ctntcgcgcg 420

ttctactact cgttcgacgc cggcggcatc cacttcgtca tgctngcgtn ctacgccgac 480
ta 482

<210> 24704
<211> 308
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-C8

<400> 24704

caagcacaat cccgaaccct aaccagcgcc ccagctcgcc gtcggcatgt ccgccaggtt 60
gcggcgggcga gtcctncagg agcgtgaggc cactccgcat gacaccgacg tcgccgacga 120
cgaccagtcg gtggaggagg aggcttctcc tccgcgcacc tccgcgcgga atctcttcga 180
tctcctcgac gacggaaacg gcgacggcga cgaagaagat gaaaaggaag atgaaacaga 240
aataattcaa gctgtgagct atacagaaca gagacattct gtgcaaaaga aagcgaacgc 300
tgttcccg 308

<210> 24705
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C9

<400> 24705

agacactgag ctggctctgtt tagttggaaa gccatctgta cgtttttcgc cgatcatgga 60
ggatgagagg aacaccagc agcaccaggg cggtgagcag gcccaggacc aggagaacga 120
ggtgaaggac aggggactcc tggacagcct actcggcagg aacaagcacg acgaccagga 180
gaagaagaac cagcaggcgg aggaggagct ggcgaccggc atggagaagg tcacgggtggc 240
cgagcccagc cacaaggagg agggacacga ggccgcccag aagaaggaca gccttctcgc 300
caagctgcac cgcaccagct ccagttccag ctcgtcgagc gacgacgagg aagaggaggt 360
gatcgatgag aacggcgaga ttgtcaagag gaagaagaag 400

<210> 24706
<211> 405

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-D1

 <400> 24706

 cgctcgctg agccagcaca tatgcattca ccaacaaatt caagaacgcg gacgtgccgg 60
 ggaccctgat gaagtgcgcg ccggactact gcaacatcta catcgcggcc aaggtcaatg 120
 ccggcaatgt ccggctcgcc aagtgtcgcg tacgggtccat gcaccgtggc gccgacagcc 180
 cttctgacac cgacttcgta caggaatccg ctctgtacat tcaccgtggc tccagggggac 240
 acggacacct gccggcagtg atgcctgacg ccaggcgctc tatggacgga cgcaatacca 300
 tgtcggagct cagcaagctc ccaccactcc gcgagcgctc tctctcgtaa tcggccacca 360
 agaacgtcgt cgagatgccg ggaaaggact actccgaggc gcct 405

<210> 24707
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-D10

 <400> 24707

 cccacgcgtt cgcccacgcg tccgcgcagc gaagtaaaca tgtctgaccg ggcaaagatg 60
 tgggtggcagg cgtacgtgga cgagcacctg atgtgcgaga tcgagggcca ccacctcgcg 120
 gcggcgggcca tcgtcggcca cgacggtgcc gcctggggcg agagcacggc gttccccgag 180
 ttcaagaccg aggacatggc caacatcatg aaggacttcg acgagccagg gcacctcgcg 240
 ccgacaggcc tgttcctcgg acctaccaag tacatggtca tccaaggcga gcctgggtgcc 300
 gtcacccgtg gcaagaaggg atcaggaggc atcacctga agaagacagg gcaggcactc 360
 gtcgttgga tctacgacga gccgatgacg cctgggcagt gcaacatggt ggtggaaagg 420
 ctgggcgact 430

<210> 24708
 <211> 441
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-D12

<400> 24708

cccacgcgtc cgcccacgcg tccgcccacg cgtccgctcc ttcacttcct cgctggccca 60
taaatatata tctatctatc gccatcgagc aattataatc tcacagaata ataaacatca 120
tggggcaagc ctcacggctc gtcctcctcg ccgtcgtggc gctgctgtcc gccggcctcc 180
tcccgaggc gctgggtaag ggtaggggag gcaggggaca cggtagggcc gtcaacccgc 240
aggtcgcccg catctgctct cgcaccccg tcccgagggt gtgcacgtcc accgccgggc 300
ggcacgcgtc caagtaccgc gtcacgcaca acctggccgt gctgaacatg caagtggacg 360
cgttcgccaa gcgcaccgcg caggcgcgca agcacgtcgc gaggtcggcc cgcaccatcc 420
cgccgcagca aacgcatgcg c 441

<210> 24709

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D2

<400> 24709

cccacgcgtc cggatcaccg gccgtcgagc gagcagtctc ccaattccac ccaataacta 60
agaacatctc ctcgaacgcc aggttccttg gaccactata tccaggagcg acgaagtgat 120
ccacccgcca gccatggaga tgaagaaggc cctctgcgcc gccctcgtcg ccgccgcctc 180
ggccaccgcc gtgctggcct cggtcgcctc cgaggcgccc tccgaggcgc ccgccggcgc 240
ggccggtggt gcggctggcc ctacgcgaag cggcgccgcc gccgccgccg tgcccgccgc 300
cggggcgctc gtcgcctcct tcctcgccca ctacctccac tgagcgacga cgcgcggggc 360
ggcaacggtg ggatgcatcg tgtttggttc atccgattaa ttaattgttt tttttattta 420
cgtgggtttgc gattgggtta ttgtttgttt gttcgttcgt ttcgtggtcg tg 472

<210> 24710

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D3

<400> 24710

cccacgcctc agcatcaaca tacgcctagt ttaccatctt caaaaaccac ccaataacta 60
agaacatcta caagagcgcg acgaacttac aaccactata catatcagcc acgaactcat 120
ccatccatca gccatttaca taaagaagtt tctctcccat gcactcttcc ccagctactc 180
gttcacccac ctacttgctt cagtaatctc ctaagcacat tcctattctc tcaactgcac 240
actcacacct gcaaatagcc ataccacact ccacgcctc tatgtcctca caccctacaa 300
tatatcacct gacgactcat acatcaccca cta 333

<210> 24711
<211> 463
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-D4

<400> 24711
tgaccttcag caaggagact tcatcgtgat ctacaaggac gacgagaaca accgctttgt 60
gataggagca aagaaggcag gagatgagca gaccgccact gtacctcaag tccatgaaca 120
catgcacatc tctgccgcac tgccagctcc acaagcggtc catgactatg caggccccgt 180
cgcagcagaa gctgggtatgc tcgcgatcgt gccacagggc gacgagatat tcgacggcat 240
actgaactcc ctgccggaga taccagtggc gaacgtgagg tactccgact tcttcgaccc 300
gttcgggtgac tccatggaca tggcaaatacc gctgagctcc tccaataacc cctcgggtcaa 360
cctggctacg cacttccatg acgagaggat cgggagctgc tcgtttccct acccaaaatc 420
cgggcctcag atgtgagatc ctggcagaaa aactgccgcg gtc 463

<210> 24712
<211> 438
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-C11

<400> 24712
gcaaggcaaa ggaccttggc gtcattgttta ttgaaaccag tgctaaagct gggtttaaca 60
ggaaggcgct gttccgtaaa attgctgctg cccttcctgg tatggagaca ctctcatcag 120
cgaagcagga agacatgggt gatgtgaact tgaggtctgg caatgcaaac tcgtcccagt 180

ctcaggctca ggctggggga tgcagttggt agttgcagtc tctgacactt gctgctcatg 240
atctctgaga ccctgagcat cagaacgcgt taccactgat gcttctctcg ggaaggagag 300
ttgatcggca ttgaacacgc acacgctata gtttttacct ggtgaatgga ccatttgcac 360
tggaacgata cgtttgagtt ctctagtgtt atttccagtg gcctaagcta gcaacagtgt 420
atagttgggt tggcactg 438

<210> 24713
<211> 430
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-B1
<400> 24713

cccaccgtcg cgaccgtggc ggactcgtgg ccactgcccg gcaccaacgc gctagttatc 60
gagggcgagg cgctccaca gcgcactacg agcgtgcccc gcaagtactc cgagtacacg 120
ccctgcgagg acgtggagcg ctccctgcgg ttcccgcggg accgcctcgt ctaccgcgag 180
cgccactgcc cgcgagacgg cgagcgctcg cgctgcctcg tgccggcgcc caggggctac 240
cgcaaccggt tcccctggcc ggccagccgc gacgtgcctt ggttcgcaa cgtgccgcac 300
aaggagctca tcgtcgagaa tgcgctgcaa aactggatcc gcgtcgactg ctacaggttc 360
cgcttccacg ggggcggcac catgttcctt cgcagaaccg gcgcttacat tgacgacatc 420
gccaagctta 430

<210> 24714
<211> 423
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-B10
<400> 24714

cccacgcgtg cgcccacgcg tccgcccacg cgtccgcca cgcgtccgcc cacgcgtccg 60
cgcacgcgtc cggagatccg gagcagccgc agtcccaccg accccgcccg cggtcgccct 120
ccatctcttc gccgctgcct ctcgtttctc ttttcaataa tcaagatgag ccgtgggtgg 180
agtgcgggtg gtgggtcaaag ttctctgggt tatctctttg gaagcggtga gcccccaaa 240

ccagcagtgg caccagctgc aagtgctcca cctgttgaga aaccatctgc tgcaaagact 300
gatgcggcca agcaggttgc tgctgggggtt accagccaaa ccaataacta ccacagggct 360
gatggtcaga aactggcaa cttccttacg gaccgtcctt caaccaaggt ccacgtctgct 420
cct 423

<210> 24715
<211> 286
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-B11
<400> 24715

cccacgcgtc cgcccacgcg tccgtattta tttattgctt gcggttgctt aattatgtga 60
gcgtctgttg ttccttcctt ccttggtgat cgtgtgggtc gccaaagggg ttttgtttct 120
gtaatcctgc ccgatcgatg ctaatactat gatcccaatt tggattttgc gatcctaaaa 180
aaaaaaaaa aaaaaaaaaa aataagaaat atcaaaaaa aaaaaaaaaa aacaaaacaa 240
accaaaaaatg ataacaaatg caagaataaa aaaactatag agaaaa 286

<210> 24716
<211> 397
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-B12
<400> 24716

tgaccttcag caaggagact tcatcgtgat ttacaaggac gacgagaaca accgctttgg 60
cgtacgggca aacaaggcag gagatgagca gaccggcact gtaccttaag tccatgaaca 120
catgcacatc tctgctccac tgccagcttc acaagcgtca catgactatg caggccccgt 180
agcatcagaa gctgttatgc tcgccatcgt gccacaagct gacgagatat tcgacggcat 240
actgaactcc ctgccggaga taccagtggc gaacgtgagg tactacgact tcttggaccc 300
gatcagtgc tgcatggaca tggcaaatcc tctgagctca tccaataacc ccgtgggtcaa 360
cctgggtacg cactttcatg actagaggat cgacaac 397

<210> 24717
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-B3

<400> 24717

cggacgcgtg ggcggacgcg tgggggcctg ggctggccgc ctccgaccac cgtacgtccg 60
 ggaccgcgtc gccgccggcc ggctctgcc cagcccgggc tgcctgcgag ggcttctgat 120
 ggccctcgac gccgtccttt cctcctagtg cccagcttta ttgcagatcc agccctctga 180
 tcctcgtctt ctttcacctc tccaacatga aggtcaacac caagatcaag ctggagccgg 240
 tcatggcgcc gtcgtcgtcc ctgccgcgga gcgccagcga gctacccgac ccgccgtcac 300
 cgttcagctc caacacggcg caccaccccg tctccgtgcc caccacacct aggttgtcct 360
 tatcgtgctc gtcgttcggc cacatggtga ccccgccac cgacacaccg tcgatacgc 420
 ccaccaagaa gcaggacgac aagccgaagc cgacgcc 457

<210> 24718
 <211> 472
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-B4

<400> 24718

ccaataatag caagtgtgat catccgttga tccatcttgc taataaccct gcgtgccctt 60
 ggttctcgtc tcgatcccgga cgacgtccc ttccggctccg gcaaaccaca tcaagtcgcg 120
 atggagatga agaaggctgc ctgcgccgtc ctgcgcgcg ccgcctcgc caccgtggtc 180
 ctgcgcgcg agggcccggc gccgcgccc accagcgcct cctcggtgc gttcccggcc 240
 gtcggcgccg tgctgagcgc ctccgtgctc tccttcttcg cctactacct gcagtaaaat 300
 taaaggagga tcggaggag aggtgctgg ctgccattgc ctgtattcgg ttggatcccg 360
 tttatatata tatatatata ttaagtact ttaatttggg tctgaacatg tcgattgatc 420
 cattcattnt atttgctttg ccatttctcc cttttctggt aatttcgata tg 472

<210> 24719

<211> 473
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-B5

 <400> 24719

 cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccgcc cacgcgtccg 60
 cggacgcgtc cgcgcctcgc cttggtgttc acgccgtcgc tagcgcctgc cgcggcgaag 120
 cttctgccct ccccggcgcc aggctcgggt cgtcgtcggc caggcagctg ctacgcgtga 180
 acacggtcac accagtacgg cagtaccacg cgacgtgaac ggtgaactcg tgaagaacag 240
 agccgccact gaggaaccc tagcgacggc ggcgtgctac cggtgacatt gtccccctcg 300
 gccctccat ccctgacgca gcggcgccag cctgcaggaa gccagcccct attcgagaca 360
 aggtcgatct ttgctgcctt ggcgagcttc agccgaatca aggtcgagca tggcggcagg 420
 ccagtaaata gagcaacaca aaacccttca aaataatgga gacctctgca gca 473

<210> 24720
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-B6

 <400> 24720

 cggacgcgtg ggccgacgcg tgggcccgcg cgttggctcc tgaaaaatat ccatggctgc 60
 cggatgcaag ccctctaaca taaccattgg cactccatt cttggtattc tgggttgcct 120
 tggctgctct gttggcttat gcatgattag tgggatcaag aggttttagca agtttcaagt 180
 tgatgtcaga ttccatgagg tgcactgcaa caagtcattt gttcattcaa ttccatgggt 240
 gcacagaaaa gatgaggcga tgccaagaaa aagtcgatat gtctatgtgt ttaagttaaa 300
 gggccaaaat gtatttcttg tttggtatat agcagcccta caacactntg gtgaacttag 360
 ttactgcaga ctaggtaatt acagttgcac cttttgtatt ttatagcaaa ccagaaatt 420
 ttcatgggat tctacgact 439

<210> 24721
 <211> 414

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-B7

 <400> 24721

 cccacgcgtc cgcccacgcg tccgcccacg cgteccgggct ccagttctt catctgcacc 60
 gttgctacct cttggctcga cggcaatcac gtcattctcg gccaggctgt caagggcatg 120
 gacgtcgtca aggccatcga gaaggtggac acccgcaacg gcttcaccta caaggtggtc 180
 aaagtcgctg actgctgaca gctctgctag atctctctga tctggtatgt tcggacaacc 240
 taccttcgtc atcgtctact actcctgcgt ccattccttt ggatctgaat aatatgggtg 300
 taatctgaat ggtgggtatta gtttatcatg tatcgtcgc agtataatat atcggtttag 360
 gtgatgatct ttgaaaaata ataaaat ttt gattcgaaac aacaacacaa actt 414

<210> 24722
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-B8

 <400> 24722

 cccacgcgtc cgagccattg aagacaatga agctcgggca ttgatggctt gacaagccat 60
 tgtgtcatgt gaggatccgt tgggtgaattt acaggaccag aaaaacaaat tgactgaaga 120
 ggcgagggtg gagctccgac gagccaatga ggcaattgaa aagctgaaaa cttcaagaa 180
 cgaatgtgga ctgcctcatg tgcaaatgga atggcatgat caccatgaaa tagaactggt 240
 ccatgcactg cccttcgagg attctgatga ttctgcgctg aatgaaagca ggcttgacct 300
 ccaggaaata tgtcaaagag tcaaagaaat aattgaatct taccctgagc tatcagttgc 360
 ggaattagca gataaagttg atcgacttgt ggaaaagggtg atcagccttg aacttgccac 420
 tacttcacag aatgctcaga tcgatnga g 451

<210> 24723
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-B9

<400> 24723

cggacgcgtg ggctttcagc agaccagcta ttgctcta atgttttggc acaatcgct 60
gattccgaag tgttttgtta cttctctcgc cttcatgtg gcttgctggg atgacttttg 120
gatatcttta tggctttttg ataatcacag tggggatgag cataggcatg tcgttgccgt 180
attttatagg ttctgcattc cactgcagga tacatagatg gctggagaag tggccaaaga 240
aagcagcttt tgtaaggctt gctggcgagg gagattggca tcatcaattt aaggctgttg 300
ctttactcag gatttctcca tttccatatt tagtttttaa ctacgcttct gtggctacga 360
acgtcaaata ttaccatac atagctgggt ccatggctgg aaccatacat gaaactttcc 420
ttgcaatata cagtgggaaa cttt 444

<210> 24724

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C1

<400> 24724

ctcgcgcacg ctctacatcc agtcggagat cggcgggttc atcgaccgc agggctggcg 60
ggcgtggctc ggcgacttcg gcctcagcac ctgctactac gccgaggtgg aaaaccacgg 120
gcccggcgcc aacatgacca gacgcgtcaa gtggaggggt atcaagaaca tcacctacca 180
gcacgcgctg cagaagtaca ccgtcgagag cttcatccag ggccagcact ggctcccaca 240
gctcggcgtg ccattcatcc cggggctgct gccgcagcag caatcgggca ggatacactg 300
acatctaagg aagatgatat atgatcggca ggctgcgttg tcgatatgac gtggcactaa 360
catgtacgta ccatggttta gtttattggt tggtttatgc tattttgact actacttttt 420
ttatattcga taaaaaatg cagtacagaa ttaaaaacgc aaat 464

<210> 24725

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C10

<400> 24725

accagctctt ctgttgagaa gagctacgag ctgcctgacg gacaggatcat caccattggt 60

gctgagcgct tacgctgccc tgaggctcctc ttccagccat ccttcattgg gatggaagct 120

gctggtatcc acgagaccac ctacaactcc atcatgaagt gcgacgtgga tattaggaag 180

gatctgtatg gcaacatcgt cctctccggg ggtaccacta tgttccttgg cattgctgac 240

aggatgagca aggaaatcac cgccctggct cctagcagca tgaagatcaa ggtggttgc 300

cctccagaaa ggaagtacag tgtctggatt ggaggatcca tcctggcatc gctcagcacc 360

ttccagcaga tgtggattgc caaggctgag tacgacgagt ctggcccgtc catcgtgcac 420

aggaaatgct tctaattctt tgg 443

<210> 24726

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A9

<400> 24726

agaaaaacta gaaaccctag cgatgctgca gatccgcctg agcaagattg gctcgtcgga 60

ctccggcggt gccgccgcta gcacggcagc tggcgccggc gccccgccg cggatggggc 120

ggctgcggcg ctccggcgga gcatcctgga atcggtcacc gtggcatgcc ccgaccacct 180

cgtgatcgcg gacctaccg tcggaagag ccttgggtgcc gacacggcct ccgatgccgc 240

cgtcacgcgc gccatcggcc gtcgctcccg tcgccgctc ggggagcgcg tccacatctg 300

atcccgatgc gagttcccca tcgtcatcta cggccgcctg atcccttgtg aacatgcctt 360

ctggttatcc tgcgcaagaa gcgattctag ctgatatctc tgagatgagc gcattcagaa 420

gatacaaagt ctgaa 435

<210> 24727

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H3

<400> 24727

gatctacacc tggctcgcca agccccggggc cgggggtcatg atcatggacc cctacggcgc 60
caggatcagc tccatcccg caggatgagac gccgtttccg caccggcagg gcgtgctgtt 120
caacatccag tacgtcagct actggttcgg cgagggcgac ggggcggcgc cgacgcagtg 180
gagcagggac atgtacgct tcatggagcc gtacgtcagc aagaacccta ggcaggcgta 240
cgccaactac agggacctcg accttgggct caacgaggtg gtcggcgacg tctccaccta 300
cgacagcggc aggggtctggg gcgagaagta ctacaatggc aacttcgaga ggctcgccag 360
gaccaaggcc aagggtggacc cctgcgacta cttcaggaac gagcagagca 410

<210> 24728
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H4

<400> 24728

acagaccaag gtttggagac agggatgagt accgtgggtg tcctcgtggt gttcccggtg 60
actttgggtg cgataagagt ggagctcctg ctgagttcca gccatctttc aggagttctg 120
gcgcgaggtc tggctttggc cgtggtggtg gcagcggctt tggcgctggc ccgacctctt 180
cttccatgga gtgaacagtg aagctgccct tagtttggac atgatgtttc cctcccgtg 240
aggcgtttaa ttttgaagga cggttattat gtactagtaa tgttttccgg atcggctagt 300
gctgacatgc aaaaaaaaaat gttccatatt tatacattgg ttccagtata gtagtctt 358

<210> 24729
<211> 176
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H5

<400> 24729

cccacgcgtc cggccacgcg tccgcggacg cgtgggcgga cgcgtgctct ttcgcgcggg 60
ccctagtatc tacgacgcta ctacataccg tacgcctcct tcgacaagct ttgacgaggg 120
gcacggacga tgaatactcc gatcgtcgag gtgcagcacg tctttacacg ccagat 176

<210> 24730

<211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-H6

 <400> 24730

```

cggacgcgtg ggcccctggg caaattgcgg tggccggggc ccgccgccgc gacagcgccg   60
tccgtcctcg gttccgctcc tccgtccgat ccatacgttt cegtcccta taaattctat  120
aaattccccg aaagtcccg accgtcagc caaccaca cgacggcgag tcggcggcga  180
gtgggaggga acaccgagc agcgatgcgt cggggctcgc tgccgctgcc gctgctgctg  240
cttgcgccgg tggcgccggt agcgccacc gcggttcccg ccgagccggc gtcgacgctg  300
tccgggccgt cgcgccggt gacggtggcg atcggagaca ggggccacgc ggtggacctg  360
ccggacacgg acccgcggt gcagcgccgc gtcacgggct gggcgcccga gcagatcgcc  420
gtcgcgc                                           427
  
```

<210> 24731
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-H7

 <400> 24731

```

cgacagcttc tccacctct gggcgaacct tccgggggcc atgtacacga ggaccggagt   60
gccggtggct ttgtgcaggt tcaggaagta cccacaggct ttgggcgctc gacaaggaag  120
ccgtcggcct ggtcgtttct cacctgaaga agatgctccc ggatgccact gaaccgacgc  180
agtacctggt gtcgcatgg ggctccgacc ccaactccct ggggtcctac tcgtgcgacc  240
tggtcgcgaa gccggccgac gtgtgcgcga ggttcgccgc ccccgctcag aacctgcact  300
tcgccggcga ggcggccagt gccgagcact cggggctcgt gcacggcgcc tactcgtcgg  360
gcatcgccgc tgccaggaa tgcaggaagc ggctcctggc gctgaagggc atcccgacc  420
t                                           421
  
```

<210> 24732
 <211> 291
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H8

<400> 24732

acggcatagc acaggtgaac gcgacgatag catccctggc taataacatc attgtcgggg 60
gcgccgtcct tacgagactg gacgtcctcc tgacgtgcgg gccccgaag gtgccactcg 120
gccccaaacat caccaccaac tacaacggca agtggctcac cgctagtgcc acctgctacg 180
gttagatcaa cggagcactg cgctcctgac atcggctgtg catgctggat caacaacctg 240
aacctgccac actacagcgg actgacgtta tgcgccaacg atgctatctt c 291

<210> 24733

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H9

<400> 24733

attgagcgcg gttcctaaac tcggatcctg cattttgttt cggcgatatg tgttggtgtt 60
accagttgct gcagcgatac ttccaatttc tgtgccgatg ggtttcctcg ttttcttctt 120
attttgtttc ctcgctcgcg cagcctgcaa attggtagtt tcttggttct tatcagtga 180
gctggctttg gaatttgcag gcaccgttct gagctgcgct ggtgctcctg gaaagggtgtt 240
ggtgcctgga ggtggcagtg atgacttgct ttctctcgta gagcctgtca gcgacactca 300
acctgaagaa ctacagcctt tgcactttca tatcaggcat tgtgcaatgc ctcgtaatt 360
gttggttaag gcaccgtgct gggttcttggg ctactg 396

<210> 24734

<211> 422

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-A1

<400> 24734

gcgtccagtc ggatccagaa ctccggccat ccatgtcaga ggtgggtgcag ttgcttctcc 60
ggtgcgtcca gcgcacaacc agcaacagga ggctgggtgg ccaccgcacc gtctcgcagc 120

gaagcgacga ttctgattgg tgatgctctg tttctgcctc catcctgctg ctgcggccca 180
gttgctgaaa ctgtctcaga acagaaccgt aggtgtgcgg cccttggcat gccgctgtac 240
aaaagaaaat gctttattag acaatctggt tgctcgaaca gtgtggcaac aaataagtcg 300
gttgatttag gtaaaggtaa aagcagattg ggtgttctag tgagtagtga cattgtattt 360
gtactcataa acttannaac atatgaccag ctaattttaa aaatatataa accatcttag 420
aa 422

<210> 24735
<211> 424
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-A10
<400> 24735

gagccaccac aatttgtggc tattttccag ccaatgggta ttcttaaggg tggtagtagc 60
gctgggtata agaaatttgt agaagagaag ggtctgaaag atgaaacgta ttgttctgat 120
ggcactgctc tcattcaaat ttctggaaca gcggttcata acaataaaac gcttcaagtt 180
gatgcggtcg caacatcctt gagttccaca gattgttttg ttttgcaagc taaaaactcg 240
atgtttatat ggaatgggaa tgcaagttct tttgaacaac aacagtgggc tgctaaagtt 300
gctgaatttc tgaagaccgg tggtgctgtc aagcattgca aggagggcac tgagagctct 360
attttctggt cttctattgg tggaaagcag agttatacaa atagaaatgc tgcacctgat 420
gttg 424

<210> 24736
<211> 445
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-A11
<400> 24736

gaggcgtacg acgtacgcgg acgcgtgggc ggacgcgtgg gcggacgcgt gggttcacac 60
tattctgaca aaggatggga agaggcactt gatcaagaag gatgtgcctt gtgagactga 120
tcagttgact catgtttaca ctttgatcat ccgtcccgat gcaacatata gcattctcat 180

cgataatgaa gagaagcaaa ctggcagcat ctatgagcac tgggatattc ttccccctaa 240
gcaaataag gaccagagg ctaagaagcc tgaggactgg gatgacaagg aatacattcc 300
tgaccctgag gacaagaagc cagagggcta tgatgatatt cccaaggaaa ttcttgaccc 360
tgatgctaag aagcctgagg actgggatga cgaggaagat ggtgaatgga ctgcccctac 420
cattcccaac ccagaatata aagga 445

<210> 24737

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A12

<400> 24737

ggagaccatg gcggaccagc tcaccgacga ccagatcgcc gagttcaagg aggccttcag 60
cgctcttgga caaggacggc gacggttgca tcacaaccaa ggagctcgga actgtcatgc 120
gatcactggg tcagaaccca accgaggctg agctocagga catgatcaac gaggtcgatg 180
cggacggcaa cggcaccatc gacttcccgg agttcctcaa cctcatggcc cgcaagatga 240
aggacaccga ctccgaggag gagctcaagg aggcgttcag ggtgttcgac aaggaccaga 300
acggcttcat ctctgcggcg gagctccgcc acgtgatgac caacctcggc gagaagctga 360
ccgaccagga agtcgatgag atgatccgcg aggccgacgt cgatggcgat ggccagatca 420
ac 422

<210> 24738

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A2

<400> 24738

cccacgcgtc cgccccgcg tccgcccacg cgtccggaat aattttacta atcaaattct 60
gggtgggata tattcctcca attcccctcc tctcccaac aaggcaacaa caatctgttc 120
cggccgcaa acaaaaccaa aaaaaaaca cactgaaccc aataatccga tcccacagaa 180
acttttctct cggtcggttc gatcgatcgc tgccgtgtcg tttgccagac accatcagca 240

cccaaaacca tggcctgcaa cctggctcag tgcgccaccg ccgccgcggc gaccgtcgcg 300
 ccccgacccc ctgcacctgc tgcgtccgcg tccgtctcct tctccgcgag gaagccggcg 360
 ggccggcagcc tgcggctgca gcggcaggcg tgctgcgagc cgtcgggtggc gccgtcgcg 420
 gcggtgttcg cctgcggggc cgcggcgctc gggagcgcg ccg 463

<210> 24739

<211> 182

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A3

<400> 24739

ctcccgctctc gaccgcacgc gtccgatccg ccacatgttc aagaccagc acgcttggtg 60
 agagatagat ttctctgtaa atagcgggtg ttatatcgca cggccagtgc tatcatacta 120
 tctacactgc atcatctatt ctgagaataa ctgcaatctt taccctgat actctacatt 180
 ca 182

<210> 24740

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A4

<400> 24740

agacgcttga cgccaagcag ctcaagactg gaatgatgca caaggggaag gtgaacagg 60
 gggacttctc agggccgctg ctgtcgcagc cccggcgcat cgacgagctc ctgcacatcc 120
 acgagcagca gatccggcaa gctggctgcc ggccatggtt catgaaaggc accgaggagg 180
 aggagcactg atggcagaga cacggcatgg acacaactaa acgcccata gatttgcacg 240
 tacttaccac agagcaagag aagatgctgg aaacatatca aaggagtgg accgtgagct 300
 agctctcttg atgagcaggt gttttttcag ggccggtgac agacaaacga gtcggcctca 360
 tgccatcagg gaagagctca gatggaagct gctgtagtgg ttttcagggt tcatgcatac 420
 cagaattgct ctacgcctct acctgaacta gacaa 455

<210> 24741
 <211> 436
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-A5

<400> 24741

tcggtcaaca cccatcttag tctttctaga gcctttcatt aggccaatgg taccgcggtgg 60
 aggagggcat tcttgccgc tcgccaagg cgaagaagtt cagcagcagg agcatcgggt 120
 ttctgaacaa caccagatg tcagcgtggc ggacacggag catgtaccac cggggcagga 180
 gcacccact gatgtgcaag accacgagca ccctcgcggc ggtcatggcg cagatgctgt 240
 cccatcgggc cacacacgtc tgggtgacgg acgcagagtc ggaggaggac ggcgtcgtcg 300
 tcggcgtggt gggctacacc gagatcttca atgccgncac caggagcacc tgcccaagtc 360
 cgacagcatc ttgatgcacc acatcgtgct gtacagtata cttgctgtgg ttgatccgtt 420
 ggtgccccgg tgcacg 436

<210> 24742
 <211> 456
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-A6

<400> 24742

ccgagagcag agagacatgg cgcaccaaca cccgcagccg gcccttggtc cggttccaat 60
 ccggcttctt cctcttctc cttgccccgc ccttcgcggc gcggtgggga aaggagggcc 120
 acatcatggt ctgcaagatc gccgagaagt acctgtcgga gaaggcggcg gcggcggtga 180
 aggcgttgct gccggagtcg gcgggcggtg agctgtcggc ggtgtgcccg tgggcggacc 240
 atgtgcgctg gcactaccac tgggccagcc cgctccacta cgccaacacc cccaagtct 300
 gcaacttcaa gttttctcgg gactgccaca attctcgtgg ccagcaaggg atgtgcgtcg 360
 tcgngctat caacaactac acggaccagc tctacagcta cggccagaag acttcgtata 420
 acctgacgga gagcctgatg ttcttggcac acttcg 456

<210> 24743
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-H2

 <400> 24743

 cggacgcgtg ggggtgctgta cggccggatc cagtgcagg gcaagtgcac cgagcagaag 60
 ggcatcaccg cgccgcagat gaaggtgtgc caagaggcgt gcgacaagga ctacgtggtc 120
 aaggcggctg aggtcaccaa ggcttgcac accacctgcg ccaaggagaa gcagcctctg 180
 ctcagcgaga actgcaggag gtcctgcacc cctcctcctt cctgaacgca gagcacgccc 240
 gccggtcgtc gtcttctgcc tgcttgcgtg aactgaatc actgatacat catacatgca 300
 tgcattggat gcgatgacga tttgatgcat gcatgcatgg gtatacctac caatttgatg 360
 accgacgatg tatagtttcg tcgactgctt catacacata tatagcagcc caattaatgt 420
 aacgtcacgc 430

<210> 24744
 <211> 422
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-F8

 <400> 24744

 ggcagaagga gcgacagggt ctgctgaacc agaagggctg cgtcgtgtgg atcactgggc 60
 taagcggttc acggaaaagc acgctcgctt gcgcactgag ccgcgagctg cacggcacia 120
 gccacctcac gtacgtactc gacggcgaca acctcaggca ctgactgaac agggacctta 180
 gcttcggagc agaggaccgc acctagaaca tccgcagagt acgggaagta gcgaagctat 240
 tcgccgacgc tggcctcggc tgcattcgga gcctcatatc gccctacaga agcgaccgaa 300
 gcgcgtgtcg cgatctgctg cccaagcact cgcttatcga ggtgttcctg gacgtaccgc 360
 ttcaagtgtg caaagccagg gaccccaaatt gcctctacaa gctcgcacgc gccgacaaaa 420
 tc 422

<210> 24745
 <211> 299

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-F9
 <400> 24745
 caccagacca caaggaggga tattcgcagg accagcagca cccgaggacg aggtgtgtgg 60
 agaggctgct ctgccatacc aaaaagcaga cagaggacca aggaaggaag cagggatccg 120
 gctttgctct gcaaccatga gctccctgta cgacgtctcc tgcttcgcgc ctggccttgc 180
 tggcaacgtc ttcgccctcg cctcttctct gtcgccggtg ccgacgttca agagggctct 240
 caaggccaag tcgacggagc agttcgatgg gctgccctac ctgctgtccc tgetcaact 299

<210> 24746
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-G1
 <400> 24746
 aaaaggtatc agcgtcgcca atctccatgg agctcacagg cgccgcgctc cggcgatacg 60
 cgctgccgtc ggcgtccccg gtggccgcga ggggtggggag gaggaggcga ccagccaggg 120
 tggcctgcgt cgggggaggg ggggttcgcgg aggaggggca cctcaggtac tacgaggtgg 180
 ccccgaggag gaaggcgggtg gcgagggacc tgggaaagct ccgggccatg gggctcgtcg 240
 cgggggacgc agccaaggag aaggtcctct cggaagccac ggatcttctg ctgcaagagc 300
 tgagccagat gaaggatgtg ggatacaaga taaacaaggt ggagaaagaa cagaatgctg 360
 ctatgaaagc actgaagaag caagagaagc gcaccaagaa gactgccatc atgatgatga 420
 agtgtg 426

<210> 24747
 <211> 270
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-G10
 <400> 24747
 ctcaactcgtc cagccacgcg tccggactag gtttagagag cggcggatag cggccaggcg 60

ggggacgcaa agaagatcca ggacgacttc tgctcgacgc tgcgcgacgc caagaaggggt 120
 acggacctgc tcgtgttcaa tgagtcctgc acgctatccc aacatttcaa cctgcagctg 180
 tacggtagta tccatcgcaa ggtcaagtgc tccgaacaga aagtcataac tgctccactc 240
 atgaacgttt tccatgacga atactacaag 270

<210> 24748
 <211> 352
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-004-Q1-K1-G11

 <400> 24748

gagttttagt gagaagttgg ttagccatag ggctatttat aagccgcatg gcagcagggga 60
 ataaattaag caagatcatt accaaaccaa tctctctctc ttgcaatgac cctctcaagc 120
 gcctaggggt gctaccctag aaccaagcct gcggcagagg ggtataacct cgccggagaa 180
 gacagttatc tccatggaca gaaggtccat gacacaattg cacttggtta tgatgttagc 240
 ggtgtagtgt aatcactatt cntgttataa tgttaacagt gtaaagtctg ctgctaagta 300
 cctgggttttt agactngtgg catgggtctgt ttcacttcac attgctatgt ct 352

<210> 24749
 <211> 303
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-G12

 <400> 24749

gttgccaaag aattccctcc cctagccgcc gccgccgctc gtctccctga gaggtgccgg 60
 gaccgaggat ttggccgagt tctaggtaga gaatcggttt tacttgctc agcccgggggt 120
 ctgctgcgtc tgggtgggtg gaaggggaga aattcgtgag atctgttccg gatcaggcgt 180
 gcgagctcgg gaatcaaggg tttcacacat agcttcgtcg atttgaattt gatgtactaa 240
 tggagtctaa ggggtggcaa aagtctaacc gtagtcggtc tatgatggat gaagcctccc 300
 ttg 303

<210> 24750
 <211> 292
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-G2

 <400> 24750

 cccacgcgtc cgcgccaggcg gcgcagtgcg gtgccgagac ggtggcggtc gtcaagggcc 60
 tggagaaaat gccggggggc atgccgaccg tgtgcctgaa cgagtgcgtg gcctagttcc 120
 agggcgcgct ggtcgacctg cagcgggtcca aggtggcggt gcagaaggcc aaggacgagg 180
 ccgccatcca catgttgggtg accgtgctta ggggtcaacac atactcagcc ctgattatag 240
 acgatcgcac atgcatggcg actaactacg tcgtcctgga ttactctgg cg 292

<210> 24751
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-G3

 <400> 24751

 cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcggtccga aagggccatc 60
 cgctgcggtc agtgtaggtt tctgaatcat agcttggcga tgcctgaggc tagacaaata 120
 ctgagctagc cttcagaaaa aaaaagaaaa gaaagagatt gagaagcagg gagaaaaaat 180
 ggcaactggc cattgaggaa gcttgagaac cagttaacaa gaattgcaa catattcttg 240
 gacaatcttg ttaacagagt ttaaggttt cccagcagag aagagcggt gcaaccacca 300
 cattcatata attaataagc aaggtttaga gaagaggcaa catgggcaca aagatgaaga 360
 aggggatcct gaagccgttc cgctatatct caaccatcat ggatggtaag gaggctgaaa 420
 tgcaaattgg 430

<210> 24752
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-G4

<400> 24752

ctccctggca aagccccggc tcaacgacaa gcttcgccac tgcggcatca tggacgtcga 60
gttcagaagg gtgcggtgca agtaccctgc tgggcagaag atcgtgttcc acatcgagaa 120
gggctgcaac cccaactacc tggccgtgct ggtgaagttt gtggcggacg atggcgacat 180
cgtgctgatg gaaatccagg acaagttgtc ggctgagtgg aagcccatga agctctcttg 240
gggcgccatc tggaggatgg aactgcca ggcgctcaag ggccccttct ctatccgcct 300
caccagcgag tccggcaaga aggtcatcgc taaagacatc atcccggcga actggagacc 360
cgatgccgtc tacacttcca acgtccaatt ctactagact ttgaattgcc ttgatccat 420
ccggcgcggc 430

<210> 24753

<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G5

<400> 24753

gagcggcccc cgtgaggagc tcccacacct cgacggctgg cctgctcgcg tggcctcagc 60
ccgatggcgc cgggtcgctg ccagcacgcc ggcctaacca gccgacggag gaattcagga 120
atgtggtgtt tggggggcag ctacacggagg gggccgacgg cctcaacaag acgaagagga 180
agacgggctc ctgcaccaag gggaaggaga caacagggac cgggatatcc aaggccgaga 240
gcgccgtcgc cgccgtcgca actgcctccc gtgatcgta ggctagccag atcacctttt 300
cccaggacgg gaccgttcct accaggaagg caacttcagt ggctgggggtg gcaaggcagc 360
gtgagcttag ccataccgtc gagagtgagg gggacagtaa gatg 404

<210> 24754

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G6

<400> 24754

cccacgcgtc cgaaggagcc gccgcgtgct cgttgtcttc tacgtcgtcc tcgccgcagc 60

tgcagccgcg gcgcagggcat ccaataacgt cacctccgac gaggattact gggcggagcg 120
 cgccgaggtg gctcgggtcg gcaacctcgc cgcctacgtc agcgaccccg tggccgccac 180
 gaaccgcttc aacgcggacg tgctgagggc cagcagcgcg cgggcgctgg cgaggtacga 240
 tggcccggtg atggcgacca accccatcga ccggtgctgg cgctgccgcg ccgactgggc 300
 gacggaccgg aagcggctgg cgcagtgcgc gcgcgggttc ggccacagga gcgtcggcgg 360
 cgcggccggc aagctgtacg tggtagggga cccgagcgac gacgagatga tcatcccgcg 420
 gaagggcac 429

<210> 24755

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-004-Q1-K1-G7

<400> 24755

aacgcgtcgc atccgctcca caggatcctc tgcgccaccg caaccgtgtg accgcccgtg 60
 ccgcggcgga tcccgatccg ccgaccgctc ccagcccgcg tcgcagccat gtcgccgtcg 120
 gagccgacgc gggaggagag cgtgtacatg gccaaagcttg cggagcaggc ggagcggtag 180
 gaggagatgg tcgagttcat ggagcgcgtc gcgcgctacg ccgggggcgcg cggcggcnng 240
 gaggagctct cggtaggagga gcgcaacctg ctgtccgtcg cctacaagaa cgtcatcggc 300
 gcccgcaggg cctcgtggcg gatcatctcc tccatcgagc agaaggagga aggccgcggg 360
 aacgagggcg acgccgcatc catccgcgcc taccgctcca agatcgaggc cgagctcgcc 420
 cgc 423

<210> 24756

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G8

<400> 24756

gtgcacgccc ccgccaccgg ccggatcgac agcaccgatc accctgaccg tctgcgcgcg 60
 gcggctctca ctccggtgac acgcagggcg cgcataggcg agggcctccc cccccggcga 120

gggatggtgt ggtcggctgg gatggcaaca atgcgaggcg cctccgccgc cgcgctactg 180
 gtgctggcgc tcgccgccgc cgtggcgcg gcggaggacc cctaccactt cttcgagtgg 240
 aaggtgacgt acgggacgag gaccatcatg gggacggcgc agaaggtgat cctcatcaac 300
 gacatgttcc cgggccctac catcaactgc tcatccaaca acaacatcct cgtcaacgtg 360
 ttcaacatgc tcgaccagcc gctcctcttc acctggcagc ggatccagca gaggaagaac 420
 tcgtggc 427

<210> 24757
 <211> 171
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H1

<400> 24757
 ctgacgcgtc atcacagatg ctggtgtacc acacgtggcg attaggtgcc ctattctgaa 60
 ggtcactgaa cttctaattct gctgcaacat tacatacgct tccttggaca atctttaaca 120
 aagcttgccc attctgaaca ctgtaaaccg tatctctcac atggtcatta t 171

<210> 24758
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H10

<400> 24758
 gaattggata agatgagatt aggacgctcg caagctgaat ctgtggtgca aaagatagtc 60
 gagcttacta gcaatctcat aggttctgtc aaaggcgaag aattcgacat ttataacttg 120
 ctggatgatg aaattttaag cacgagcaca gcccttgagt acagtttgca taagcataac 180
 caactggagg ctgacataga catgttaaaa gaatccttgc gacagaagga catggatctg 240
 actgctgctt ataaagcgtc tgacgccaaa gatcgagagt tgaaagccgt aattggaaag 300
 gtagatgtta aggataagga actagaaaac ttggaag 337

<210> 24759
 <211> 408

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H11

<400> 24759

gcctggaaca acatcaacaa caagacggcc ttcaccaacc gcaccgacta cggcaagggc 60
 gagcgagagg cgcagtgggc cacggcacag aggacgctgc acggcctcaa ccaggccacc 120
 gccacctccg acctcttcgg cgacaaccag ggctaccgag agctgtcgga gctcgccgag 180
 caggcggcca agcgcgccga ggtggccagg ctccaggagc tgcacacgct caagggacac 240
 gtcgagtccg tcgtcaagct caagggcctc gacattgaca ccattcagca gagctacacc 300
 gtgtaaactc gactcaggtt ttttatttgc ttttttttgc agacaaatac aaaccacaca 360
 catatatata tttgtaaaga ttcgttcgta ttttcatttt caccggga 408

<210> 24760
 <211> 270
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H12

<400> 24760

cagcattacg aggccaaaag taagctgctg ctgtttcttcg acccgtcccg ttcgttcgat 60
 tcgtttcttc cgccatggag gctcggagga agcccgcggt gtgctgtgcc cttcttgtgc 120
 tgetcatcgt cgctccagc gcaacggtgt cgactgctca tgacgagagc tgctggaagg 180
 acgacgacca ccacctatc tgttttcccg aagactgctg ggcgacctgc caggatcacg 240
 gccacgcgga cggccgctgc aactgggcat 270

<210> 24761
 <211> 338
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-F7

<400> 24761

cccacgcgtc cggacggaag gactagcgtc atgggcacgc ccaccgagac ggccatcctg 60
 gatttcggcc tcgaggtgga gaagtacacc aaggtggagc acgcggacgc caagaagctc 120

aaggtggagc cgttcaactc ggtgaagaag accatggccg tggttatcgc gtccccgaac 180
gcggccggcc acccgcgcg cgttcctcaag ggcgcgtccg aggtcgtcct gagccggtgc 240
ggctccgtct tggacggcac cggtgccgca gagaagctca cggaggcgaa ggcgaagcgc 300
gtggccagcg ccatcgactc gttcgcgtgc gaagcgct 338

<210> 24762

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E2

<400> 24762

cccacgcgtc cgcccacgcg tccgagcggg agatcggcgt ggcgatggac ttctcgccga 60
gcagcaagaa ggcgctgcgt tgggcgatcg acaacctggt ccgcaagggc gacaccctcg 120
tgctcctcca cgtccggcac cacggccgtg aggagggcaa gaacgtcctc tggccccgca 180
ccggatcgcc gctgggtccc ctggaggagc tcatggagcc gcccgtagg cagcgctacg 240
acgtgccgta tgacgcggag gtgttcgaca tgctcaacgc cgcggcccg cagaaagaga 300
tgtacactgt tgttttggtg aaaaaggctg ccagataaac tgcccagctt gtatcactac 360
atgagaaagt cactggacag catcactatt accatTTTTT ttaacaaggg atagaatggc 420
tctgctta 428

<210> 24763

<211> 274

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E3

<400> 24763

gtgatttgaa ataattggcg aataaatagt tgcagaatcc ctgaagcgtg catatatatg 60
tgcgtgccaa gataaaggta atggagtctt cacgcacgtt ccagccggcc gacatcctgc 120
ttctcctgct catttgtgtca cacacgatat ggcacaagca aaggaatgct acaagtacaa 180
tgagcgattt gttgaggcat gcatgatcgc agacaactac gccaatctct gccccgtta 240
cgacttggtg gccgacacgt gcagcaacta catg 274

<210> 24764
 <211> 367
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-E4

 <400> 24764

acaagatctg cagtttcgct ggcgccgtga aagccaacag cgatgtagct gagaccgca 60
 gcgtcccgag cacagaatga gctcccgttt ggttcagagt gacatgttca aaaatttctg 120
 gaatgatcgt atattgatcc taggacaggc aggaagtctt ggggcttatg tagtgtacaa 180
 tttctgtatc tcatataccg tgctcgttgc cagtttgtac tataccatat ataaaccata 240
 gaacatgtga catttagaag tctggccaag gtcagctgta atgcttcaca tgcttatagc 300
 ctggaaacat tagacattga aaaacccgag cagtgaataa aggatgccca aggcagaaac 360
 tttgatg 367

<210> 24765
 <211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-E5

 <400> 24765

cccacgcgtc cgcccacgcg tccgccacg cgtcgggcaa ctgaaaacag ccgagcgggc 60
 tcctctccct ctccctctcc gatccattct ccagcgcagc gaagtaaaca tgtctgaccg 120
 ggcaaagatg tcgtggcagg cgtacgtgga cgagcacctg atgtgcgaga tcgagggcca 180
 ccacctcgcg gcggcggcca tcgtcgcca cgacggtgcc gcctggggcg agagcacggc 240
 gttccccgag ttcaagaccg aggacatggc caacatcatg aaggacttcg acgagccagg 300
 gcacctcgcg ccgacaggcc tgttcctcgg acctaccaag tacatggtca tccaaggcga 360
 gcctggtgcc gtcacccgtg gcaagaaggg atcaggaggc atcacctga agaagacagg 420
 gcaggca 427

<210> 24766
 <211> 424

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-E6

 <400> 24766

 cccacgcgtc cgatacga aa accctcgcgg cgaggagcgc tctccgtccc acacacgcgc 60
 gccgcagcct ccgcagtcgg cacctgcctc caccgacttg cgtgctcgtg cgctactctc 120
 ctagagcgca ttgcgctgca cggggacatc aaatggcggc agcggcggag atcgggtggtt 180
 tcgcggcggc gagagtggcg gtggcgacgc tcaggccggc tgcgcacca gccccggcgg 240
 cggcgggtggc accgcagcct aggagggcgg tggcgggcga gtcgctgcag acgaccgcca 300
 ccgagggcgt gacggcggat ctgcggcgca cgaccaacgg cgctgtgcat gtcgggatga 360
 atagtaaggc tacaagtga atcacttcac aggcagttac tgcaaattct atgagaaaga 420
 caaa 424

<210> 24767
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-E7

 <400> 24767

 aattgttgtc tatgatataa caagtccgga atcatttagc aaagcacagt attgggtaaa 60
 ggaacttcag aagcatggta gtccctggat tgtaatgggt ttgggttgga ataaggctga 120
 tctacatgat aatcgaagtg taccctcgca ggatgcgcag gactacgcag agaagaacaa 180
 tatgtttttc attgagacgt cggccaagac agctgataat ataaaccaac tgtttgagga 240
 aattgcaaag aggttgccca ggccaacggc atcgtgacag aacacttggt tgtattgctt 300
 gtaccatgta atgcatgcca gtccatatac acgggtactg tatggactac ggaagacctc 360
 tcatgtaaag atatttcccc cattctgtca tagttgtgga tgacaattgg tattgagaat 420
 atcct 425

<210> 24768
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E8

<400> 24768

cttcaacatc tcgtctctct cactctccga cgccatccgc tcccggcccg gccgagccgc 60
gcgttgtgta tggattccaa aagcaatcat acaggggcta tggcgaggcc ttacaaacct 120
aagaatatcc tcattacagg agctgctggt tttatcgctt cccatgtcgc aatccgcatt 180
accaagaagt accccgatta caagattatc gtccttgaca aacttgacta ctgctctaata 240
ctgaagaacc tgcttctgtg gagctcatca ccaaacttca agtttgtgaa ggggtgatatt 300
gcaagtgttg atcttgtcaa ctctcttctt gtcacagaga acattgatac cataatgcac 360
ttcgcgcccc agacacatgt cgacaattca tttgggaatt ctttcgaatt taccaagaac 420
aatatatt 427

<210> 24769

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E9

<400> 24769

ctcggcgtgc gcgccgccgg cgccggcgcc ggcgtcgaca tcaagggtgc gtgtgcaggg 60
acgccggacc cggacgtgtg cctacgcgcg ctccaggcgg acagcgactc caagacccccg 120
cgggacctgg cggaggcggc gctccgcgcg gcgacgaccg cgggcggcgc ggcggggcgac 180
tacgcgcggc acgagatgga cgtggtgaag gacaacgaca tgtggcagtg cctgaacgag 240
tgcgccgggg agatcgagga ggcgtggac cacctggacg acaccgaggg cggcctcgac 300
gacggcaagc tccacgacgt gaagctgttc ctggacacgg cggatgagga cacgtggtcc 360
tgcgacgtc 369

<210> 24770

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-F1

<400> 24770

cgcggtccg ggcgactccg gcagctacaa ggactggccg gaggacacgg gcttcttgcg 60
gcgcgagggc ggggtggagca cggagtacgg ggagttcttc atgagctggg actcgcagat 120
gctcctggag cacggcgagc gcatcctgtc ggcgggcgacg ggcgtgttca cgggttcccc 180
cgcggtgaag atctcgggta aggtggccgg gatccactgg cactacggca cccggtccca 240
cgcgggcgag ctgacggcgg ggtactacaa caccggctcg cacgacgggt acgcgccccat 300
cgcgcgcatg ctggcgcgcc acggcgccgt gctcaacttc acgtgcgtgg agatgcgcga 360
ccacgagcag ccgcaggacg cgcagttgcc gcccaggcgg ctggtgcagc aggtggccgc 420
cgcggcg 427

<210> 24771
<211> 358
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-004-Q1-K1-F10
<400> 24771

cccacgcgtc cgataatatt ttgacaaaaa aaaatttata ttgattcatt cacaagacgt 60
caataaccaa tgacaatccg aacacatggg gttgtttgct agtagcctca tcatgcgtct 120
cattagaatt gaatggacct taacatattg tgttcaaaaa tcacagggtga gaagcatagg 180
tagcgacagt tattgcagtc ttgatgaata ggggaggaaa gcggcgggccg atacaccggc 240
acaaaacttt gttagcgcta atgaagaaac ggcaacgaat acggggggcag gtgaagctgg 300
cggttgtaac ggcttccccca cggcttgcatt ttctcggggc caaagaatta taagcatt 358

<210> 24772
<211> 326
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-004-Q1-K1-F11
<400> 24772

cgaagattgc cccccagga tcatccaccg tgacatcaag gcagccaaca tccttctgga 60
cgagaatttc gaggctaagg tcgcggattt cggacttgcc aagctgacca cagacaccaa 120
cacgcacgtc tccacgcgtg tcatgggaac ttctcgggtat ttggccccgg agtacgcgtc 180

gagcggcaag ctcaccgaca agtcggacgt gttctccttc ggcgtcatgc tcctggagct 240
cattaccggc aggagaccgg ttgatccac gaactacatg gaggacagcc tggtcgactg 300
ggccaagccc ctcttggcgc gcgcgc 326

<210> 24773
<211> 327
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-004-Q1-K1-F12
<400> 24773

cccacgcgtc cgcgctgggc gccgaccgc gcagcaagga ggccggcaac aagaacatgc 60
acgcgctggc ggtgctggcc accaggatgg ccatcgacca cgccgccagc accgagtcca 120
agatcgacga cctcgcgag ctggaagcgg cgtcgtcgga tccgcaggcg cgcgcacgct 180
tcaaccactg cctggagcag tacggcggcg ccgccgacct cctccgcgac gcgctggaca 240
acctcaaggc caagatctac ggcaaggcca tggagcagct gaccgcggcg atgggcgcct 300
ncgagagctg cgaagacgcg tggaaag 327

<210> 24774
<211> 431
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-004-Q1-K1-F2
<400> 24774

tcttatagcc tccagcctcc cctcgcccc cgccaccct atggccgccg ttttcttgca 60
ccatgtcgtc ggcgacctca ccgtcggcaa gcccgaggtc gccgagctgc acgacaccga 120
cacgctcgac gacgccgcgc gcgccatgc cgccagcccc gagggcgccg tgcccgctctg 180
gcgccccagg gccgcgcgg acgacgcgcc ctcgggggcc aggttcacgc gcatgatctc 240
cgcgctcgac atcgccgcct tcgtcgccgc cgcgggggtc ggggatcgct ccatgcgcgc 300
cgtcgtcggc gaggtcgtgc agcccaatcc tgcgctgctc agggagatcg atccgggtac 360
caggttgatc gatgctctgg aactgatgag gcatggagtg aagcgcttcc ttgttcgcaa 420

gagtgggagc t

431

<210> 24775

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-F3

<400> 24775

gcgtacgaag acgactgata ctacacaata tacatttaac tgacaggcac caacctccac 60

caatagtggc gtaccaccgc cggcgggttc gccactaagc cctctagcaa caacccatcc 120

gccagcgctg gctgtagcag gtacggcaag cactccgatg aaggccccct caactactgc 180

gagtacggct cctccaggaa cgactcggag aagtacctga aagaggagaa ggagcacaag 240

cacaatgagc acctcggcaa cataggcacc cttgccgtcg gaggcttcga cctgtacgag 300

aggcaccatg cgaagaatga cccggagcac gcgcagcatg cacaagatcg aagagggcct 360

aactgctgtg gctgccctgg gcaacagccg cttaacgttc cagagcacc acgacaagaa 420

gaggccaa 428

<210> 24776

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-F4

<400> 24776

ggcacacgtc tgctgcctcg tgttcttgct tgcgatggag gatgcagttg ggctaccgat 60

ggatggtgcc tgcgctcggc tagacaccag tggcgctacc acggccgtct acattaccgt 120

ccatcacata gccgtgttca tagaggccat cgaccttttc gacggggacg gtgacaggag 180

catctcagcc agagacctcg aagctgacgt gcgatcactg ggtcagaact ccaccgagga 240

tgatctccat gacatgacca tcgaaggcta tactgacggc tactgcacta tcgatttcac 300

tgagttgatg cacctcatgg tcagcctgat gaaggacacg gacttgtagc aggagctcaa 360

cgacgactgc atggtgatca ccgacgacca c 391

<210> 24777

<211> 369
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-E12

 <400> 24777

 cccacgcgtc cgccacgcg tccggcgagt gcgtgcgttc gtgcagccac agacaggcgt 60
 ccgggcacca tgtctttcac cggcacgcag gacaagtgca cggcgtgcga caagaccgtc 120
 cacttcacgc acctcctcat gccgacggcg ccatctacca taagacatgc ttcaagtgca 180
 gccactgcaa aggggtcctc tcgatgtgca gctactcctc catggacggt gtgctgtact 240
 gcaagaccca cttcgagcag ctcttcaagg agaccgggag cttctccaag aacttcacgc 300
 caggtggcaa gtcacagac aagggtgaac tgacaagggc cccaagcaag ctgtcgtctg 360
 cattttctg 369

<210> 24778
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-F5

 <400> 24778

 gtggagttcc tggggacttt cgcgagcacg gtgcacctga gcgggagact ctggctcgct 60
 agcatgatga tcggctcggg aagcctgctg atgggcgccg gcctcaagtt catccctgtc 120
 gatccgggca gtgaaggctc gtctgaccgc cacgatgggt accagcccat cccacccggc 180
 cccaacgcgc tgtgatttcc aagaagacct cctgccatcc ttcttgattt ttatttcctt 240
 ctatagaaac aatagaactg aaccctcgga tgcgtttgca gtttggggaa aaaaaagatg 300
 ttttagatag gagcgacggt tgcataatgat ggccgtcctc aagaatttta atcctcgtct 360
 cttggctatt ttgtctttgt agccggcaat gttttgtttc tgaatttgga tgatagaatc 420
 gatgt 425

<210> 24779
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C6

<400> 24779

cccacgcgtc cgcggacgcg tggggaaaaa tccaagaatc agactgagat attgctagaa 60
ctttctgctt cacaagccga acaagagtcg ttgagacaag aaattgaaga attgaaattg 120
tctttgaagg tggctactga acgacaaata gttggtggaa tttccaaatc tggatgatgca 180
atagatgtcc aatttgagct aaaagatgag gtacagtttt tgagggaatc aaatgaaaac 240
ttaacaatgc aactgaagaa gagtcaagat gcaaataatag agcttgtttc tattcttcag 300
gaactggaag aaacaataga ggacaaaaga acaacaatct ccaatttcac tcaaatgagt 360
aatatgattg atcaagatat acccacgaat gcattatcag cgcaagagga tgcagagtgg 420
gaaagaa 427

<210> 24780

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C7

<400> 24780

aaggcattac ttatccaaga acatagaatg aagaagagaa ctgcagaaag ccgtcctagg 60
gtccctagaa agtttgacaa agataggaaa ttcacaactg ataggatggg acgccagctt 120
tcatccatgg gtatggatcc tagtgctgcc atgaatagaa ttcgcagtca gtctaggggt 180
cgcaggcttg aaaggtcatt gagcaaagct gcaccgaatg gtgcacgggt ggatatagat 240
ggccagcaga gcaccggaat tgcgtcggac atttaggtgt aggtctaggg ctaggtgacg 300
tgctcccagag gaagtgcctt ctggagaaag ggtcaagggc tctgagcaca agaaaaaggc 360
tatcaagaaa gcacaggccg ctactaggaa cag 393

<210> 24781

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C8

<400> 24781

cccacgcgtc cgcccacgcg tccgcggacg cgtgggctat tttcctcctt cactgcacca 60
 cttgagtttg ctctacatgg gaacaaatga tatgcaaata ctgtttccat atgctactgc 120
 acttaagaag ttagaccttc agtttacatt cctttgcaca gaggatcatt gtcagatagt 180
 tcaacgcgtc tccaatctgg aaaccttaga ggtgagggat gtcatagggg atcgtggact 240
 acaagttgtt gcacagacct gcaagaaatt gcataggctc agagtagaga gaggagatga 300
 tgatcaagga ggtcttgagg atgaacaagg taggatttca caggtagggg tgatggctat 360
 agcccaaggc tgccctgagt tgacatactg ggcgatacat gtatcagaca ttacaaatgc 420
 agctt 425

<210> 24782
 <211> 360
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-C9
 <400> 24782

cccacgcgtc cgcccacgcg tgcgcccacg cgtccggacg acgtgccctc ccggcgtgcc 60
 ccggtcgtcc tgccgtccgg ggatcgatct ggccatggga caaactgag atcctcgtcg 120
 tcgtgagccg aacgttaatc cggcggacgc gatggcggcg ccatatgctg cagacgcaga 180
 taggatgaca atcacgtacg ccgtcgatga caactgaccg atgggtgcggc cataccttga 240
 aagctgtcag gacacgttag cagaccttgg gtactctgtt gtggccgtgt gcatcgacaa 300
 ggtcgagatc agccagaaca ctctcaagag ggccatcgac tcgctggtac agaatgggca 360

<210> 24783
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-004-Q1-K1-D1
 <400> 24783

gacccacgcg tccgcccacg cgtccgagtc gctcaaaacc ctagagctct cgectgctgg 60
 cctccgcgcg cggagcgcgc tccccatctt catccgtcaa ccatggcgac ccagatcagc 120
 aagaagaaga agttcgtcag cgacggtgtt ttctacgccg agctcaacga gatgctgacg 180

cgggagctgg cggaggacgg ctactctggc gtggaggtgc gcgtcacgcc gatgcgcacg 240
 gagatcatca tccgcgccac gcgcacgcag aacgtgctcg gcgagaaggc ccgtaggata 300
 agggagctca cctncgtcgt ccagaagagg ttcaacttcc ctgagaatgg cgtagagctt 360
 tacgccgaga aggtcgtcaa ccgtggcctc tgtgccatcg cgcaggccga gtccc 415

<210> 24784

<211> 352

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-004-Q1-K1-D10

<400> 24784

cccacgcgtc cgtttttttt tttttttttt ggtcaaatta tcgtgtcctc ctctttattg 60
 ccgacacaaa aaaaaagggt aaattttttg attggtttac aacaccatgc aagggaaga 120
 aaaattgggc agaacatgaa tggcattgtt cagcttccat ttctatgctc ctgccgtcca 180
 aatcttatgc cattagataa cctccaaact gattggctct atactagcta tatcccgtg 240
 cagagcctta agtgcaccca cagaatagcc aagaaaggaa gccgaaaaat tccccgagga 300
 gagccggaat attaaggatg ttttgaaggg aaaaaagat naaaatgaga gc 352

<210> 24785

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D12

<400> 24785

ctgggatact gccgggcagg agaggtatca tagcttggtt cccatgtact ataggggtgc 60
 agctgctgcc attgttgtct atgacatcac aaatccggcc tccttcaccc gtgccaagaa 120
 atgggttcaa gaacttcaag ctcaaggaaa tcagaatacc atagtggctc ttgctggaaa 180
 caaggctgat atgctagatg cgaggcaagt gccagcagag gaagcaaagg cgtatgctca 240
 ggagaatggg ctcttcttca tggagacatc tgctaaaact gcaatcaatg tgaatgacat 300
 attttatgag attgcaaaga aattgcttca agggcaacaa gctccaagcc cacaggctgg 360

aa

362

<210> 24786
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D2

<400> 24786

cccacgcgtc cgggcgccgg gcctggccgt gttgccgatg cgggtgatgg cgtccgactc 60
catcgccctcg gtgaagctcc gcgtgcagac gtcccggggc gtgagggcgc gcaagcagaa 120
gctcgtcttc ggcgggcgcg agctggcgcg cgacgacggg cgcatccggg actacggcgt 180
ggcggacggc aacgtggtgc acctggtcat ccgcgtcccg gacgtgcgcc tcatcaccgt 240
ggagaccgtg cagggcgcca agttcagggt ccgcgtggag cccgggcgca ccgtcgggta 300
cgtgaagcag cagatcgcca aggaccaccc cgcgggcgcg cggcccgcg agcagcggct 360
cgtgctcgag ggcgaggacc tcgacgaccg gcacctcatc cagcagtggt gcagggccga 420
cggcgccgt 429

<210> 24787
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D3

<400> 24787

caacgcggac gtgctgaggg ccacgacgcg gcgggcgctg gcgaggtacg atggcccgtg 60
catggcgacc aaccccatcg accggtgctg gcgctgccgc gccgactggg cgacggaccg 120
gaagcggctg gcgcagtgcg cgcgcgggtt cgccacagg agcgtcggcg gcgcggccgg 180
caagctgtac gtggtgaggg acccgagcga cgacgagatg atcatccgc ggaagggcac 240
gctgcggcac gcggtgatcc aggaccggcc gctgtggatc gtgttcgcgc gcgacatggt 300
gatcgagctg cggcaggagc tgatcgtgaa ccacaacaag acgatcgacg ggcgggcgcg 360
gcaggtgcac atcatgttcg cgcagatcac gctgcagaac gtgcagaac tgatcctgca 420
caacc 425

<210> 24788
 <211> 411
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D4

<400> 24788

```

ccccgccc aa ccatggcggc ggcggcgccc gtgcgcgcct ggggtggtggc gctggcgctg   60
gtgctggcgt gcgcgctgct ccagccgcgg ccgtccgacg ccgcggcgca gccgccccg   120
cagtcgcggg cgacggcggt gtcgtcgggc gccgccaagc ccaagtgcgt ggccggcgcc   180
aggaacgacc acgcgtgccg cgtcggcgcc gtgcacgacc cggacagcca ggaggaggag   240
ggctccagcg tcaccatcga cgcgcccgcc gccgcgcccg acgacgtcgg ccacgacgac   300
ggcagcgact acaacgaccc cgacgtgcc aacaacgacc agctcgtcgt cgtcggccac   360
tgaaagctgc cgcgcgcgcg cgcgcgccga cccgtggacc atgcgtgcat g           411
  
```

<210> 24789
 <211> 374
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D9

<400> 24789

```

ggtgatccag caaagaacga ggacaggagg aggagaaagg agcgaaagga gaaaggccgc   60
ccagaattcg acaaggttgt cgagggtagt cgggttatag gtgatccagc aaagaacgca   120
gacagagtta taaacaacgg gtgggcagct ggacggctta cctcgacgat tgcaggagag   180
gaaaatttcg tcttcagctc taacagcgta cttaggcaat gatctagttt tgttttcctt   240
tatctataca ttgaaaacgg taaataatag tcttgccgat ccaatagaga tatcgttggg   300
gcttgggcat ttatagcgaa gttctgtcaa gaaaagagaa ttcactctat ataggttgga   360
tttgaagatt taca                                     374
  
```

<210> 24790
 <211> 428
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-004-Q1-K1-E1

<400> 24790

gggacttccct cgactggctc ggcccggaca tctccaccac catcttccag ctcctccacg 60
accccgcgga cctcgcccg ctcgcccgcg tctcccgcgc ctggcgccga ttcgtcgccg 120
tgaacaaatt cagcaagcac ctgtgcaggc agatatgtcc ggaggccgcc agcttcaccc 180
gcgcgggtcgt ggtggcccg ttgcccgccg cgcgcgcgcc gccggcgcac gccgcgtgcg 240
agtccagcca ggtcgccgag tgcaggggcc gcgatgggga gcacgcggcc tactcctacc 300
tcgccggcgc gctcgtctcc ggcaagcccg ccacggacct cgtcatgcgc tgcgtcggcg 360
cctncagcac cgacaacttc cctgacgaga ccacgagaa cagctcgtg ccgcacgaca 420
tggttaac 428

<210> 24791
<211> 403
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E10

<400> 24791

aggagctgat ggaggacccg ggggacaaca acgccttcgg agacgccaac cagaacgagc 60
tcttcgccag catcgttaac tacgaccagg agaacatgct gcccgacgtg tctgcagcgg 120
acgttgctgc aggggaaggac attcagggga tcccgtggga gaagatgctc ttcgggaggg 180
ataagtaccg ggagatgaag atgaagaact acagaaatta ccagaatcta agttacgcac 240
gggaggatgc tttgcaggag tgcaaacaag tgacgaaaga tagtccttac tatgatttcc 300
actacaacac aaggcgtgct cggccatcaa ttgtacaatt tcagctacgg aacctagtgt 360
gggcaaccac gaaacatgat ggttatataa tgcgatgatc atc 403

<210> 24792
<211> 423
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-004-Q1-K1-C5

<400> 24792

aacatctccg gcggccacgt gaaccctgcc gtgaccttcg gtgcctttgt gggcggcagc 60

atcagcctcc tcaaggccct ggtctactgg gtggcccagc tcttgggctc cgtcgtcgcc 120

tgctctctcc tcaagatcgc cacgggcggc gcggccattg gcgccttctc gctgtcggcg 180

ggcgtcggcg ccatgaacgc cgtggtgctg gagatggcca tgaccttcgg cctcgtgtac 240

acggtgtacg ccacggccgt ggaccccaag aaggcgacc tcggcgcat cgcgcccatc 300

gccatcggtc tcatcgtcgg cgccaacatc ctggcgngg gcgccttcga cggcgccctc 360

atgaaccccg ccgtctcctt cggcccggcc gtcgtcaccg gcgtctggga gaaccactgg 420

gtg 423

<210> 24793

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E11

<400> 24793

cggacgcgtg ggttcccaga tccatcgact cgctcgggcc gccctcccg tcgtccccgt 60

tcgaagggtgc ggcagccggc aggcgagcga tttcattcga catgaatccc gagtacgact 120

accttttcaa acttctgctt attggtgatt ctgggtgttg gaaatcatgc ttgcttctca 180

gatttgcaga cgattcttat ttggacagct atatcagcac aattgggggtt gatttcaaaa 240

ttcgcacagt ggagcaagat gggaagacca taaaacttca aatttgggat actgctgggc 300

aagagcgctt caggacaatc actagcagct actaccggg agtcatgga atcattattg 360

gatatgacgt ga 372

<210> 24794

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B1

<400> 24794

aaaagatgag ctgatcaaac agctcgaaga acaattgaag gaattgatgg ggcagaaaga 60

aaccgttcag tctcaacttg acaattttcg tagagttgca atagatgaaa attttgatga 120
ccatgcaata agacaatggg atcaacgaaa taggtcttca ggtcccttc cacataatgt 180
gtctgaagat gctctttctt cttttgatac ttacgatgtt gtttatggag aacaagatgg 240
tctaggccca aaagcatttg atgtacatcc aatatctatc ttgcatcaac caagaaacca 300
tattttctgat aacattcaga tatatcaacc aaataaggag gcttcctcag aggtctctga 360
ggagcattgc aaggaagtcc agtgcacga aacaaatgag cttaggagga gtccattatt 420
ctttcctggt ga 432

<210> 24795

<211> 379

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-004-Q1-K1-B10

<400> 24795

cccacgcgtc cggaataaac tatggggcaa gccttccac ggcttgcct cctcgccctc 60
gtggcggtgt tgtctgccg cctcttcccg caggcgtag ggaacggcaa gggcaagggtg 120
catggcgggc gtgccgtcaa cccgctgggt gccggcatct gctctcgcg cccattccca 180
gaggtttgca cggccacagc cgggcgccat gcatccaagt acccggtcat cgaccatttg 240
gccgtgctga acatgcaggt ggccgcgttc gccaaagcga cagcgcatgc gcggaagcac 300
gtcgcggtgg cggcccgcac tattccaccg ncgaggcac aggccctcag aacctgcgac 360
acgatgtaca tgaacacgc 379

<210> 24796

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B11

<400> 24796

cccacgcgtc cggccacgcg tccgctcaaa ttgcagctga tcaacagctc tatgcaatgg 60
tccgtcctgg tttttgatg gatgttgggc agccaagaga ctacattact ggattgcgtc 120
tttatctaga ctcgcttagg aagaaatcgg ctgccaggct agctgctgga gcacatgttg 180

ttggcaacgt gctggtgcat gagagcgcca agattggaga aggttgcttg atcggtcctg 240
atgtcgcaat tggacctgga tgtgtcgtgg aggatggcgt gaggctttcc cgctgcactg 300
tcatgcgtgg tgtgcgtatc aagaagcatg cctgcatctc gaacagcatt atcgggtggc 360
actcaactgt tggacaatgg gcacggatag agaatatgac cattctgggc gaagatgttc 420
atgtgt 426

<210> 24797

<211> 351

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-004-Q1-K1-B12

<400> 24797

cccacgcgtc cgcttcgcgc ctaggggcgg aaggccgcgg tgccggttct tcccagctgc 60
agcaaccggc cagtgcgcgc ggttgcggtg catttgcatg gctgcgcgct gcgctctggg 120
agcttgcaact agcgggtcgg cggcctaggc gcggggcatc ttcgagtgct gtgcgtgtct 180
gttcaagctc tgatcgtctc tccggcccat tcgccggagg aaactgaccg ccgncttctc 240
gctctcgtc tctacctat tcccggggct gaaaaggag gagagaaagc cacgtccaca 300
ccataaagca ggacgtacag acacgtgtac gagggggatc acggtcgggt g 351

<210> 24798

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B2

<400> 24798

cccacgcgtc cggctcccagg atacgtgcc ggacatggca gccgacgagc aaccgccgga 60
accggcgcca ccgcaagacg gggaaggaga ggacaactag gaggaaggga ccgccaccaa 120
tatatatcac acacacacac actcacacat tctcacactc aagtctcgtt ttgccatttt 180
tcttttcttt ttctctacga cgcttcgtta ttccctcttt tcatctatct ctccgtgaac 240
tcggtttgtc gtccagctgg ctgtaagtgt accagatgcc ttcgttacgt ctgatgaagc 300

tcatgacaat ggcgattttg gcatggagct gtgttagcct cgcgaaaaa ctgtaactgt 360
gtaagcagaa ctgctatata ttggtcctaa caatgttgct ctt 403

<210> 24799
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B3

<400> 24799

gaattaagga aaataacagg agcgaactcc agcgactaga cagcgaaagg aaagaagaat 60
tcatgaggat gctaaaagga tttgttgcaa gtcaggcggc ctacgcggac aaaatcgtgg 120
atggatggga gacggtagcg gaggaacga gcggttatgt tgggtgtcgt ggatctgata 180
gcatgacttc gtagcttcgt ttggttgga gtcaagtgtt tgtacaatgt aatctagggt 240
atggatttgg gaatagaaga aaggtgcgcc aggttcgatt tgtttgata atcaaataaa 300
ggtactgcca tggagccacg atttcacgtc ctggatgtca agtatacgtt gttcttctgt 360
ggatatcaca aatacatcat tgctccggtt cgttcagag cagg 404

<210> 24800
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B6

<400> 24800

cccacgcgtc cgacttgttt gattatttgc ctctcacagc tcttatagaa aatcagatgt 60
tctgcctaca tgggtggtctc tctccatcac tggatacttt ggataatgtc cgctcccttg 120
atgcataca agaggtcccg catgaaggac ctatgtgtga tcttttgtgg tctgaccgg 180
atgacagatg tggatgggga atttcaccaa ggggtgctgg atacacattt ggccaagata 240
ttgcacaaca attcaaccat acaaattgggc taagtcttat ttcaagagct catcaacttg 300
taatggaagg gttcaattgg tgccaggata agaacgttgt gacagtgttc agcgcgccta 360
actattgcta ccgatgcggg aacatggctg cgatcctcga aattggcgag aacatggatc 420
ag 422

<210> 24801
 <211> 424
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-B8

 <400> 24801

 gaagacaggg cacgcactcg tcgttggcat ctacgactag ccgatgacgc ctgggcagtg 60
 caacatggtg gtggaaaggc tgatcgacta cctgcttgaa cagggcatgt aactactacg 120
 taccagctgg aatgcatgtc gacgacgatg gtttcgagtt tcgacttcca ataataagtaa 180
 caacaaagca aaggccttcc tcccggcgta tttgctttgg ctcttctcct ccacgccata 240
 agatatctag caattggtca ctgcgcttaa ttagttcgct ttgcttttga ggttgattcg 300
 accatthttgc ttagcgtga attgcatgca tggacatgca acgctccaat ggcctttgga 360
 atgtggaatt tttttccca ttttctgtat ttttctata aaaaatgaac tggttcttat 420
 ataa 424

<210> 24802
 <211> 332
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-B9

 <400> 24802

 catcctcggg tgcagccgga gttcttgacg acggtgccca acgaggaata gaaaggaggg 60
 aaggaaaaaa cgcgtctctg aattccacac ggccggcgaa gacacttgaa cagtcttgct 120
 ggcaatggga aacaagggac cagtgccaac acaggaatcg acgaatgatg acgccgagggc 180
 accgtcgtct acgtctgctg cgagcaatac taagagcaag acagacgtgg agcgagagca 240
 gctgttcgaa ggatcaagcg acgacgacgc ccacacgcca cggaagagaa gcacccagga 300
 gatcctcacc aaatacaagt tcaaagggga cg 332

<210> 24803
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C1

<400> 24803

ccaaatgtct gtgacctcta gaacacggag cgctgtgaag cctgctgcc ccatgatgaa 60
ggcgggacct cttgtcgtct tgggtgcgcgc gctcggtttc ctttcctttt tccctcgcgc 120
gcggccaacc tagaaagcga cggcggagcc ggagagggaa ggggaggcgg gccggctggt 180
caagggcgga cgatgtgctg cggcggcgac ggggagtgcc ggccgctcgg gtggctcctg 240
ggcctgccct tcgcgctgct cgccgtcctc gtctccttcg tcggcgccgt catctggatc 300
atcgggctgc ccatctcgtg catctgcccc tgctgcctct gcgtgacggt gctgctggag 360
gtggccgtgg agctcgtcaa ggcgccgctc catgtcatg 399

<210> 24804

<211> 360

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C10

<400> 24804

gaggcatccg gatccatgtc cgcaggcatc gccctgccac cctccaacgc cggagcgcgc 60
tcctacgggg cggcggcgcc gttcggaggc gccgcggacg caccgcgcgg cacctccgag 120
ggccctgcca gcgccagcgg gccatcggtt ggtgacgccc cggcgtatgg cgccagcgc 180
agcgcagcgg gcccgactgc tgatgtctccg gcgaaggcga cggcggcggc gtcgtccggg 240
ccctctagcg caccgcgcgc atcgtcgtct gagtcctccg gcgcaccagg gccgtcgtcg 300
tctgatgggt cctccggcgc cccggcgcca tcgtcgtctg atggggcctc caacgccccg 360

<210> 24805

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C12

<400> 24805

ctccctcgtt aggttctctg tccgcctctc tgtcctagtc tcgtcagcaa cagcacagtg 60
ttggtactga cgcgccttca ctctgttgac ctgcatctag ccaagtttat ttggagactc 120

caaccttttg tctcccaaac ttggagctcc caaggggaga ggttctgcca aaattttggc 180
 ttctgagcat ccattttcaa ggggaggttc tgccaaaatc tgctcctgtg aacatagatt 240
 tctcaagggg aggttctgcc aaaatttcct actgtaacca ccagctttcc agggggagat 300
 tctgccaaaa tttcctgcac tgatcatcat tcttctaaag ggaggttctg ccgaagtttt 360
 cttgtgtgac gacgacgatc agtt 384

<210> 24806
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-C2
 <400> 24806

cggacgcgtg gggcaacatg gaaggctcag gtcgtcgcat caatacgtgg tgcacgtgga 60
 gaaggctacc tcaccggcaa gaccaagatg cctgccgctg aacttgtcag caaagatggt 120
 gacaaagttg ccaactctgc ctacgaagat tggctagctt cggaccaaca agtccttagt 180
 ttccttcttg cctctgtctc caaggatgtt ttgatccaga ttgcgactaa gcacaccgag 240
 acggaggcat ggcattgcaat cgagaccatg ttctcgtcac aaacaagagc tcgggcagta 300
 aacacgcgcc tggctttatc caccgcccac aaaggggaaca tgtcgggtggc cgaatatgtc 360
 gggaagatgc ggtctctcgg cgatgaaatg gctgcagcag gacgacctct cgaagatgaa 420
 gaattggtg 429

<210> 24807
 <211> 362
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-C3
 <400> 24807

cactgatcca agacaaaaca tggctgtgaa tgtgagcacc atgtggctgt tgatgcaggg 60
 acaagttgcc atgggtgtgg cgttggcctt tttggtgaac cgggccttgt gccgtgcttc 120
 ccaaagtccc ccctggcaag aacatcacgg ccacctatgg caaggactgg ttagacgcta 180
 aagcaccatg gtttggcaag ccgacggttg ccggtcccga cgacattggt ggcggttgcg 240

ggccaagga cttgaccacc cccctttaat atccatgcgc gcgcggggaa atatccatat 300
 ttaaaggtag gctctgtttt gggggccgcg tttagatcta atgcgctaag cttgtggagt 360
 gc 362

<210> 24808
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C4

<400> 24808

cggacgcgtg ggcggacgcg tgggcaattg caagaggagc aagataccac caccgtagcg 60
 accacacgca ggtacgaaga aggcgacgaa catggcgagg ctggccttgg tagcggcggt 120
 ggttctgtgc ctctgttag cgacagggcc gcagggggcc atcagcgccg aggggatggt 180
 gtcatttgac aatttgatca gctgcaaggc actgggcaac tgcgacaaga acctgggccc 240
 cgaggcctcc cgcccaggga aaccgcgcaa cgactacacc cgcggtgca acccgatcac 300
 cggctgtcgc ggctgatcat atctctctgg tcgatgtgcg cgcaatgtca atgtcgcacg 360
 cgctgcagg taccaggcct cagcgtgtgg tgccgcgtgt gtgtatatat tacacacatg 420
 cattatacat 430

<210> 24809
 <211> 250
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A9

<400> 24809

gccgtcgagc gagcagtctc ccaatgccac ccaataacta ataacatctc ctggaacggc 60
 aggttccttg gaccactata tccaggagcg acgaagtgat ccaccgcca gccatggaga 120
 tgaagaaggc cctctgcgcc gccctcgtcg acgacgactc tgacaccgctc gtgctggcct 180
 cggtcgactg ctaggcgctc tccaggagcg ccgcacactc cgctgtgggt ggggctggac 240
 ctaacgcaag 250

<210> 24810

<211> 286
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-H12

 <400> 24810

 aactcgtcca agcgtccaag aaaaggaaat tgaatctgct aaattctccg gaacccccgt 60
 tgccagccgg cgatcgcgcc gtgggatctc atcgaacgaa gcgggcggcg acggcgatgt 120
 caagggagggc ggcgaggacg aggagccggg tcctggtggt tggcgccacc ggccgcctcg 180
 gtggaaacat agctcaggcc agcctcgccg cgggtcacc cacttcgcg ctcgttcggc 240
 cccaccactt cgcacgcccc gattcccccg tgctcgagcc gctcgt 286

<210> 24811
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-H2

 <400> 24811

 gaataatttt actaatcaaa ttcttgttgg gatatatctc tccaattccc ctctccgcc 60
 cagacaaggc aacaacaatc tgttcgggcc gccaaacaaa accaaaaaaaa aaacacactg 120
 aaccaataa tccgatccca cagaaacttt tctctcggtc cgttcgatcg atcgctgccg 180
 tgtcgtttgc cagacaccat cagcacccaa aaccatggcc tgcaacctgg ctcaagtgcg 240
 caccgccgcc gcggcaaccg tggggcccgg aacccttggc ctgtgttgtt ccgcttcgtc 300
 ttcttcttcg 310

<210> 24812
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-H3

 <400> 24812

 cccacgcgtc cgaacaatcc ttgcaccct cccctcogtc accccaccac atccggcgag 60
 cccaacgaaa atgtcgcgcg ccacagctgc ggtcctcttc tacatcctcg ccgtcgctgc 120

cctcagcgcg gccgaggcac cggcagagtc accgaaggca ggcagtcctg ccaaggcacc 180
ggccgagtca ccgaaggcag gcagtcctgc agctcctgcc aaggcaccgc agtctgctgc 240
cacgagaact gcccccgcta aggcacctca agccgtctgc acccccgccg ctgccgctgc 300
cccatcgctg tcgtcgtcta ggaagtctgg tccagctgcc gcgccgacca ccgccgnctc 360
tacaccgtct tcttcacgg acgaggagt gagccct 397

<210> 24813
<211> 292
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H4

<400> 24813

cacgcgtacg caagcaacgg ttaagcatca agctctactc ttcttctgta cggaacgtgt 60
gactagataa cagcaagcgt gaaccatggc ggacgagtac ggccgcagcg gctacggcag 120
gtccggcgcc ggcgacgact acgacagcgg ctacaacagc aagtccggca ctgatgacta 180
cggccgtggc gaaggtggct acaacaagtc gggcggcgat gacgactact gccgcagcgg 240
cggcgatggg tacggcaggt ccggcggcga cgactactgt cgtggcaccg gc 292

<210> 24814
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H5

<400> 24814

cccacgcgtc cgcccacgcg tccgctcctc ctcagaaacc caccaacccc gtccagccgc 60
cggctgtctc ggccgtcgcc gccgcggccg ccgccctatc ccggtccttc aggtgaacca 120
ggttgggcat ggccttcaac aagatcaagg tcgccaaccc catcgctcag atggacggcg 180
atgagatgac caggggtgttc tggaaatcta tcaaggacaa gcttatattc cttttcgtag 240
acctcgacat caaatatatt gacctcgggc ttccacaccg tgatgctacc gacgacaaag 300
tcacagtgga ggctgcggag gccacactca agtacaatgt ggctatcaag tgtgccacca 360
ttacaccaga tgaagcaagg gtaaaggagt ttggcttgaa ggctatgtgg aag 413

<210> 24815
 <211> 388
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-H6

 <400> 24815

```

cccacgcgtc cgcaagcaac tgcaaagcag caagctctac tcttcttctg tactgaacgt   60
gtgactagat aacaacaagc gtgaaccatg gcggaacgagt acggccgcag cggctacggc  120
aggtccggcg ccggcgacga ctacgacagc ggctacaaca gcaagtccgg cactgatgac  180
tacggccgtg gcgaaggtgg ctacaacaag tcggggcggcg atgacgacta cggccgcagc  240
ggcggcgatg ggtacggcag gtccggcggc gacgactacg gccgtggcac cggcggcggc  300
ggctacaaca agtccggcgg cggagacgac tacggccgca gcggcggcga cgactacggc  360
cgtggcaccg gcggcggcgg gtacaaca                                     388
  
```

<210> 24816
 <211> 399
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-H7

 <400> 24816

```

ctcgttcgta tctttaagct tgctgctgca gcgtaagaaa aagcagtctg cactcggctc   60
gtcggtcgct ctgttcagct agctgcatgc tcggccacca tatctcctcc agtacgttcg  120
tcgttctcca cgccgctatc tggctctgcg taagcagcag ctagaggccg ttgtgtaggg  180
tacacagaag atcatcgagg atgctggtga agaagaacaa cagcacggcg atggcggcgg  240
gcgtgctgcc gctggcgctg ctgaaccaca tcagcatcgt gtgccggctg gtggaggcgt  300
cgctgcgctt ctatgcggac gtgctcggct tcgtgcccat ccgccgcccc ggctccttcg  360
acttcgacgg cgctgggctg ttcaactacg ggatcggcg                                     399
  
```

<210> 24817
 <211> 95
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H8

<400> 24817

accacgcgtt cgcaagcaac tgcaaagcag caagctctac tcttcttctg tactgaacgt 60

gtgactagat aacaacaagc gtgaaccatg gctga 95

<210> 24818

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H9

<400> 24818

cgcagcagag acgggatctc caggccaaca ttccagcatt gcgtaaactg gacacgatgc 60

ttctcgacta cctggataac ttcaaggaac gcaacgagtt ctggtacgtg aagcgcgact 120

cgtgctcaga gagcgagaac gaggagaggt ccgacgagaa atggtggatc ccgatcgtca 180

aagtgcccc cggcgggctt gtccagaact ctaaaaggct gcttctggac caaaaaggac 240

ttgtgaaaca agtgcttaaa gcctgccttg gccataatgg caacttgctt aatgaaaata 300

accttccgga caccgatttt gaccgccttc cttaaaaccg gaaaaccaat cttgggg 357

<210> 24819

<211> 254

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A1

<400> 24819

cccacgcgtc cgcgagcgcg tggaaaaaaaa aaaaatataa taaatacaaa aataaaatgg 60

gtattttaata aataaaaaca aacttaaatt aatatccgtc catctgattt tctgcccctt 120

ttatctggtg cgcgctcttt tactttttcg ttctcttacg ctgtccttca tcttctttat 180

cttcccatc ctcttctgaa ccacgtttc tacagcttct atttttacct tgtttcttag 240

tctgctctt gtta 254

<210> 24820

<211> 367

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-A10

 <400> 24820

 cggacgcgtg ggctttgcc a cgcggcgta cgcggcgctg gcgtcggcgt cgcgcgcggc 60
 ggccgtcgtc aggggcgcgg gcgccccgtc gcagtcggag ttggagtcgg acccggagaa 120
 ccagtgcgtg tacacggtgt acgtgcggac ggggtccatc tggaaggcg gcacggactc 180
 gaccatcggc gtgacgtgc tgggccccga cggcacgggc atccggatcc gggacctggc 240
 ggagtggggc ggcctcatgg gcgcccggca cgactactac gagcgcggca acctggacat 300
 cttcagcggc cggggcccct gcatgagcca ggcgcctgc gccatgaacc tcaccttcca 360
 cggcacc 367

<210> 24821
 <211> 383
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-A11

 <400> 24821

 accgctgacg cgtcggcgga cgcgtggcg gacgcgtggg ctgacgcgtg gggtgaaaat 60
 gtgacatgca tccagttcaa ccctgttgat gatagatact tcattagtgg ttcactggat 120
 gaaaaagtgc gcatatggag cattcaaac cgtgaaattg ttgattggaa agatttgcac 180
 gaaatggtca ctgctgcttg ctatacccca gatggacaga gtgcactaat tggttcccat 240
 aaaggcagct gccatattta tgatacatct gataataagc ttctccaaaa gaaacaaatt 300
 gacctgcaaa ttaagaaaaa gaagtccagt cagaagaaaa taactggatt tcagttcctt 360
 gaatagtttc tcccaggag tac 383

<210> 24822
 <211> 411
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-A12

 <400> 24822

gttacaagtg ggctgaagta ctgtcagctg atgcattctc agcttttgaa gacgctgggtt 60
 tggatgatga gaaggcaatc gaggaaactg gcagacgatt cagagacact gttcttgctc 120
 ttggaggtgg aaagtctccg cttgaggtgt tcgtttcatt ccgaggacgg gagccttcgc 180
 ctgaaccact tcttagacaa aacggcttgc ttctgttgc tgcctagtgc ccaaagatt 240
 tctctgttat ttatgcttaa acagggaacca ttttcatccg gtcaattatt tgatgaagat 300
 agacatttcg cccttgtttg tttaccctcc tctagattat taaataagtt agaagacaaa 360
 caaacaacac atattattaa tgtatgtgtt ttggatatgt gtctagattc a 411

<210> 24823

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A3

<400> 24823

aacacgatcc ttttttacag cctagaagag aagaattgca tcactacgct attccatggc 60
 tcttgcatac atcgaccccc cttcaattcg atccatcgat ctgatgttct gcagtttcaa 120
 gctgaggagc ctctctctcc tttggcgagc tctaacgctg gcgttggtct ccttcatctc 180
 ccaattcctc tggatgaacca tcgctgcgac ggcttggatt tggttctggg ttcgcagtct 240
 gcctcttggtg atgcatcacc atcgccggtg gagggccgac gacgatggga tcaagggtt 300
 actatgagat cctcaacgtc gaccggagcg ccaccgatga cgacctccgc agggcctacc 360
 ggcggtctggc catgcggtgg caccgccata agaaccgccg cggcaaggca gagggcgaga 420
 cccggttcaa g 431

<210> 24824

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A4

<400> 24824

accagtcaga aaatagtggg atcgagttgt gtcactgcac gagcacatcc tccggcgagc 60
 accgggctca ctatgcgtcc tctagcgacc gaccaacgcy ccgagcgaag atgtcgtggc 120

agacgtacgt ggacgagcac ctgatgtgcg agatcgaggg ccaccacctg acgtcggcgg 180
acatcgtcgg ccacgacggc gccacctggg ctcagagcac cgcgttccgc gagttcaagc 240
ccgaggagat ggctgccatc atgaaggatt tcgacgagcc ggggcacctt ggcccgaccg 300
ggctgatcct gggaggcacc aagtacatgg tcatgcaagg cgaacctgga gctgtcatac 360
gtggcaagaa gggatccggg ggcattactg tgaagaaaac agggcagtca ttcattcattg 420
gcatcta 427

<210> 24825

<211> 254

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A5

<400> 24825

cccacgcgtg cgcccacgcg tgcgcccacg cgtcggggcg tcgccctttt tttaggccga 60
tggcgttcgc ataccgctcg tatcactttg gaacaaattg aactaattcc aatcatacat 120
tttacacgtg ctctggaact acttcccacg gaaactacta ctacctgttc tagtaaaatt 180
catgtacttg tttacaccac atgagatagc tcatcccaac atgcatcttt gaagtatcag 240
catacgtcta gacc 254

<210> 24826

<211> 310

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A6

<400> 24826

agcggcaggg cggcaagaag aaggccccca aggcgaagac gaactagggc tgcttagaga 60
gctgcacgcc tcaggtgggg tgtatcagga gacaggtcta tttcgaagca ggctcagcgc 120
gatgcagcga atgccatcga gctgcgcttt tacatgttta tcatcagatt ccattttgcg 180
gcccgaacaa aggtgtgacc ggggtggggt aggcgactag attgcacgat tatgtacttg 240
agatttgttt gttgaactgg gttgccgacg gttaatcttc tccatttgat tttatcttgt 300
tagcagcgca 310

<210> 24827
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A7

<400> 24827

```

gggacgactg cgcataacag aggtgttcct cgcgggcggcg gtggtgacgg cggcggcggt   60
gacaactagt ggtggcatgg tcgccgcggt gcgggacgac gacttcttcg tggacggctc  120
ggtgtaatgc gacacctgcc gggcgggggt cgagacgaac gcgacgacgc cgatcgcggg  180
cgccaagggtg cggctggagt gccggcacta catgagcgcg agcggcgcgg tggagcggtc  240
agcggaggggc accacggacg cggcagggaa gtaccgcacg gagctgggtg acaaccgcgg  300
cgccgaggag gtgtgttcgg tggcgctggt cagcagcccc gtgcccgggt gcgccgagaa  360
ggaggttggc cgcgaccgcg cccaggtgtc gctgttcacg gacgccgggg ccggcctcgc  420
cacc                                                                 424
  
```

<210> 24828
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H11

<400> 24828

```

gaggtatcct gccctgcagt tctcctcgcg cggaaaccaa gaccctagct ctcgtcacgc   60
tcgtcgtcgg cggcggcggc gaccgcggcg gatccgacag ccagccctcg tcgcagccgg  120
gccgccatgc cgtcgtccag ctcccaagac ggcgtacctc cttatgttct ccagatccgg  180
aaccgtgcgg atggtgttcg gggttcggcg accggaaaga aaaacgtttt ggcccgggtc  240
cagctacgta cttcccttat tctttgacca agcctactga ggagaggaaa gagcatgac  300
gcaagagccc ggtgacagca ttggaggtct atcccagcaa aaaaacagac caccgatctt  360
tttgagaaga aacctcatcg ctgatttacg gccagcgtgt c                               401
  
```

<210> 24829
 <211> 356

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-F5

 <400> 24829

 agcatggtga tgtgcatca ggcattctgt gcagccacct ttggcggaaa gctgccgaag 60
 tgcggcgcca atgtgccctg cgaatatagt gtcacctacg gtgatggtag ctcgacgata 120
 ggttcctttg tcaccgatgc tctgcagttt gatcagggtga ctagggatgg gcagacacag 180
 acggctaata ccagcgtcat tttcgggtgt ggtgctcaac aagggttgga tttgggaagt 240
 tcaaaccaag cccttgatgg aattcttggg tttggtgagg caatacatc aatgctatca 300
 caactaacta ccgctggtaa agtgaagaag atatttgccc atagtttaga taccat 356

<210> 24830
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-F6

 <400> 24830

 cccacgcgtc cgatacgtac gtgaagaacc aacaggaggg ccgggctctc gctcgccgcg 60
 cgcaccccc tctctctatc tctcccgccg ccgttgatct atcaccgggc cgccggtccg 120
 tgactgtcgc cagcgggtgc tggttgttgc ttggttgctg cgccgcggga gccgtgtgac 180
 ccgggcgcaa tgccgggagc cgtgatcgtg caccaccaca cgaggtacaa gacgtacccc 240
 ggcgaggtca ccggcatcgc catcttctcg tgcttcatcg cctccgtcgc cggtgcac 300
 ttcggctatg acatcggcct cacatccggg ctgacgtcga cggagccgtt cctggtcaag 360
 ttcttccctt ccattctacg ggagatgaag aggcagggtg tcgtcaacca gt 412

<210> 24831
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-F7

 <400> 24831

gttcccatcc attggtgtgg acgtgtggtg gttgcgttgc gttgcgttgc ttcgagttgg 60
 aggttggagt tggagtgggc cgcgtgcgag aggatctgag cggagaggcc atggagtgga 120
 gtgattagcg gttgctgggt caggagaagg cggcgtgtgt tttgataccta ctgcgctttg 180
 aggggccccg atttcgagcg ggtgttcaat tttggtgccg gatttttaag gaggatccaa 240
 tttaggaaga attttggttt tggggacaat ggttttggac tgcctgatat tcgattcata 300
 ggacttcgag tcggcagatc caagggaacg ccgaattttg cctgatttct tcgcgatttt 360
 tgggtccgac aaagaggttc ctagcctttt tttttcctcg cgagaagcaa ggggtctncc 420
 ttttcttc 428

<210> 24832
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-F8
 <400> 24832

cccacgcgtc cgtttttttt ttgaccaaaa aaaatttata ttattcattc acaagacatc 60
 aataaccaat gacaatccga acacatggtg ttgtttgcta gtagcctcat caggcgtctc 120
 attagaattg aatggacctt aacatattgt gtccaaaaat cacagggtgag aagcataggt 180
 agcgacagtt attgcagtct tgatgaatag gggaggaaaag cggcggccga tagaccggca 240
 caaaactttg ttcgcgctaa tgaagaaacg gcaacgaaaa cgggggcagg agaggctggc 300
 ggcggtaacg gctccccac ggcttgcatt tctcgggcc aaagaattag aagcatttcc 360
 tgtggacgat ggatgggccg gactcgtcgt actcggcctt ggcgatccac atctgc 416

<210> 24833
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-G1
 <400> 24833

cccacgcgtc cggccctgga gaccagtgtc tcctcgtctt caacgctgtt ggtggaggaa 60
 cgggctctgg ccttggttcc ctctcctag agcgctgtc tggtgactac ggcaagaaat 120

ccaagcttgg gttcactgtg tacccttccc cccaagtttc tacttcggta gttgagccat 180
acaacagtgt actgtccacc cactccctcc tcgagcacac tgatgtggct atactgctgg 240
acaatgagggc catctacgac atctgccgcc gatcccttga cattgagcgc ccaacctaca 300
ccaacctcaa caggcttgtg tcccagggtca tctcatccct tactgcctcc ctgaagtctg 360
atggtgctct gaacgtggat gttaacgagt tccagaccaa cctggtaccc taccc 415

<210> 24834

<211> 361

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-G10

<400> 24834

cccacgcgtc cggtgatttg aaataattgg gaataaatag ttcgtgaatc cctgaagcgt 60
gcatatatat attcctgcc aagataaagg aatggagtcg tcacgcaggt tccagccggc 120
cgtcatcctg cttctcctgc tcattgtgtc caccgatatg gcacaggcaa gggaatgcga 180
gaagtacagt gacgcatttg gtggggcatg catgatcgca gacaactgcg ccaatgtgtg 240
ccgcggtgaa ggcttcttgg cccgcaagtg caacaccttt cggcggcggt tcatttgcac 300
taagcaatgc ttaacaagat cggttgatcg gttgccatgc attgacaacc tattcttaat 360
a 361

<210> 24835

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-G11

<400> 24835

cccacgcgtc cgcccacgcg tccgcccacg cgtccggcca agggcaagta cacggagcgc 60
gccgccgcgt ccctgctccg caccatcgtg gagatcgtgc acacctgcc ctccttgggc 120
gtcatccacc gcgacctcaa gcccgagaac ttcctcctcc tcaacaagga cgagaaagcg 180
ccgctcaagg ccactgaatt cggcctgtcc gtcttcttca agcaagggga ggtgttcaag 240
gacatcgtcg gcagcgcgta ctacatcgcg ccggaggtgc tcaagaggaa ctatggcccc 300

gaggcggaca tctggagcat cggcgtcatc gtctacatcc tcctctgcgg agttccgccc 360
 ttctgggccc aatccgaaca cggcatcttc aactccatcc tgaggggaca ggtcgacttc 420

<210> 24836
 <211> 406
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-G12
 <400> 24836

cccacgcgtc cgggtttttg taaggaaaat ccccgctcgtt ctgcgctctg gagctcggcg 60
 gcggagcagg gcggcagggg gagggcgatg gaattctgcc cgggtgtgtgg gattctgctg 120
 cagatcgatc cgggcaccgg aagccaccgt ctgcgcctct tctgccccgt ctgccccctac 180
 gtctgccccca tcctgaacaa gatcgtgaag aaggcgaggt tgggtcaaaaa ggaggtggag 240
 cccatctcca gcacggcgga tgagatgaaa tcggcccccta agaccgcaat tacatgccaa 300
 agatgcaacc atggagaagc atacttcaag cagatgcaga ttcgatcagc tgatgaaccg 360
 atgacaacaa tatacaggtg ttgcaaagaa gaatgccagc atgaat 406

<210> 24837
 <211> 408
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-G5
 <400> 24837

gtcttcaaga aggtatcccg tgcggtctac tgcgccttcc gtggcatcat cttaggtggc 60
 agtgggtccca agggccagaa gctggcggac gcggcattgc gccgcatcgg cgccaccaag 120
 gttgtcgaca ggggtgttgaa ggctgctgag gtgctgatca aggtggcaac ggtatcagag 180
 aagggtccacg gtccctggta caaagctctg atagtctgat gtgagcgtga atgtgaatgg 240
 tttggctttt gtgaatacag acagtgaaag tgtaaattcc ttgttccact ggggtgggatg 300
 ggagatatgg tgttgtacag caatttatag ttgttgggtca gtaggcagtt caggatgtga 360
 agaattctgg tgagctgggc gaatatggat gctctttcac caagattt 408

<210> 24838

<211> 316
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-G6

 <400> 24838

 gtctgctttg tgtggccagt gatattgccg tgagtatttt tggatcctat tcgagtcgaa 60
 tgtaccagta ccagagttaa tttgctttaa ttcgaaacac cgttccggtt ggaattctgt 120
 tacccggtgt ctttgcttgc agttcctcta tttctttttt gcatcggatg gtggcggttc 180
 ctttttttta cattggctgt tgtggttctg gtcagactgt gttggcttag attcttgcct 240
 tgtgtgatcg gaaacatgct atcgcgctg gcagagctgt tgggtgaaaa aaaaaataan 300
 anatatagtg ttgaac 316

<210> 24839
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-G7

 <400> 24839

 cccacgcgtc cgcggacgcg tgggtgactg gttttgagat caatgtattc cagctgccag 60
 agcctttcgg attcattttc acatggtttg ctgctttgcc cctaattattg ttcttagcgc 120
 agtcattgac taaggctata gtccaggatt ttttaatcct taaggggcca tgtcctaatt 180
 gtggtactga aaacctttcc ttctttggga ctatactgtc agtctccagt ggcggtacaa 240
 caaacaagt gaaatgtgca aattgcagta ccgagctgga atatgactca aaatctcggg 300
 tgatcacact tccagaagca tcaaatgcat aaacataggt gactctacat ttacgccagt 360
 aactataaat ggatgctctt tgggtctatat tccaaatgtg ggagatatca caccagcttt 420
 g 421

<210> 24840
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3066-003-Q1-K1-G8

<400> 24840

gctccacagg atcctctgcg ccaccgcaac cgtgtgaccg cccgtgccgc cggcgatccc 60
gatccgccga cccgtcccag ccccgtcgc agccatgtcg ccgtcggagc cgacgcggga 120
ggagagcgtg tacatggcca agcttgcgga gcaggcggag cggtaggag agatggtcga 180
gttcatggag cgcgtcgcgc gctacgccn ggcgccggcg gcggggagga gctctcggtg 240
gaggagcgca acctgctgtc cgtcgcttac aagaacgtca tcggcgcccc cagggcctcg 300
tggcggatca 310

<210> 24841

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-G9

<400> 24841

ggagttctac agcctctgcg aggaaatgga cctgcaggcg ctaccgctac cactagagga 60
cggctggacc gtggacgcgt ccaatttcga ggtcccctgc tcttccccga acccagcgcc 120
gccccgggtg gacagggcta ccgctaactg cgcgcgcgac gcctcaaggg caccgtcta 180
cggctctcgc gcgaccagtt tcatggcttg gacgaggctc tcgcggcagt cgtcgtgctc 240
cgacgaagcg gcgcggcg tagtgccggc catcgaggag ccgcagagat tgctgaagaa 300
agtgttgccc ggcggcggcg gtgcttgga gagctgtggc ggcgcgacgg gagcagcaca 360
ggaaatgagt gccaccaaga accacgtcat gtcggagcga aagcgacgag ag 412

<210> 24842

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H1

<400> 24842

cggacgcgtg ggctacaaca tgggtgtagc catgccgacg cagccaaatg cagttccaaa 60
catgggctgg ttaccaaata caggaaacac cagcatgaac atgatctggg ctgcaactca 120

aggccagggg actccaaatg cggctcctat gatgggaggt cagatgcaag gagtcccaat 180
ggcccccttg ggtggtgttg cagcaggaag tgcaaattct taccctgcct ggggaaacca 240
acaagctgga aacatgaacc aaaatggttg ctggagtgct cctgtgcagg gaaatccagg 300
tcaggcaaat aacaacatga actggaacgc accaaatggt aatcctaatt ggaataatca 360
acagagagag aatgggggca ggcactctgg acaccgcggt gctttt 406

<210> 24843
<211> 414
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-003-Q1-K1-H10

<400> 24843

cccacgcgtc cgcccacgcg tccgcccacg cgtccgggcg gtggccgtgg tgaccatggc 60
tctgtcagcc tcttgggtccg caacattcca ttgagatgca ggctgagga actacgtgtc 120
cctttcgaac ggttcggccc tgttcgggat gtttacctgc caagagatta tcacactggg 180
gagccaagag gatttggggt cgtggagttc gttgatgctt atgacgcttc tgaggcacag 240
taccacatga atcgccagat gtttgctggg cgtgaaataa ctgttgact tgctgcggat 300
acacggaaaa agcctgagga catgcgtaga cgaactggac caagaggta ttctgggtcat 360
gaagggcgtc gtccgaatcg tcatggtgca ngacgggtccc gatctcggtc atac 414

<210> 24844
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-F2

<400> 24844

attactatct tcatgtgacg acagctgggg atgatcttat gtctgatagc taccacttga 60
gttctgcacc tggaaataat gtgttcgtgg ggtctggagc tgcattgaac cctgggacca 120
tattgagccc tgtcccagca tgcaaagagg atttctcacg gaagaagctt acttcgttcg 180
acaaacttat agaaagaaca ttagtttcta taaggaatgt aaggcttcat tgtgacgctg 240
atctaaagcc aagtggaggt gttggaactt ctggaatggc accagatgca gctgagatac 300

agcttaaaag ccccaactgg ttgtttgggc aaaggaagca tacggagaca atttcaaccg 360
 caagagttgc cccggttgaa aacgtgaacg aggggaacag agacgagtca aatgtgtctc 420
 tttgtgggga actaatttg 439

<210> 24845
 <211> 417
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-D7
 <400> 24845

atctctctcc cccggctccg gcgatggctt cgccttacgc cggcggcgtg cagcctggct 60
 ctcccgttgg ggcggtgcag cagcagcagc agaaccactc tctggcgttc cgcgtgatgc 120
 ggctgtctcg cccctcactc cagccagacc tggcgcgtct gctccgcttc gacccacgcg 180
 acgtcttcct ccctgaggac gcgctcaccg gctccgaccc gtccgctgcc gccaaattcc 240
 tccacggcct cctccaccct gcggactccg ccaactgccgt ccctggagac ttcaccttcc 300
 gcgaccgctt cctcctccgc gaccagccg acgcgctcgc tctgccgggc ctctcgtcc 360
 tccccagtc gttcgggtgc atctatctgg gcgagacctt ctgcagttac atcagca 417

<210> 24846
 <211> 324
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-D8
 <400> 24846

gcggcgaggg aagggtccg cgtcaggtcc gttctcttac tctgctctc tccggcggcc 60
 catccatcag cgctgcccta cgcattgctc ttgataccat ccagtacatc gattctcccc 120
 ccaagatcaa aggccggaga aggaggaaga aaggctaggg agtcggctat ggcattgctgt 180
 tcatgctgct gtgtggcaga tgacgacaac gttggcagga ggacgaagca tgacgatccc 240
 tatgttccta tcctgctca tgtctataat cctggacctc gccggttccc atgcccaccc 300
 cctgtcatct ccaactggcag agct 324

<210> 24847
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D9

<400> 24847

cagttacatg gcgtgtatag acaatgcaat gagagccttg ttccttttag cgggcttgtg 60
tgtcgtgcat ggtgagaagg caaagtcaaa ggacaacgat gcaaaagcgt ccgggcccgg 120
tgggtccttc gacatcacca agttgggcgc cttcggcaat ggcaagactg atagcacgaa 180
ggctgtgcaa gaggcgtggg catcaacgtg cggcggcacc gggaagcaga cgatcctcat 240
tccaagggc gacttctctg tcggaccact caacttcaca ggcccatgca agggcgacgt 300
gaccattcaa gtgaatggca a 321

<210> 24848
<211> 342
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-E11

<400> 24848

aaaaagaaaa ggcaaaggca aaggaatccc aatcaggcaa gcaaaaggaa gaacgagcgg 60
ctgcggagtg cggagatgtc gtcgcagctg atcgaggagc accggtcggg cgcggaggtg 120
cacgtcgggc acgagctgtg cgagcgcaag tcgcgcgagt tcatggtgga gctgggcctt 180
cccgacgggc tctaccgt gcccagcctg gacgaggtgg gctacaaccg gtcgacgggg 240
ttcgtgtggc tgcagcaggc cgccggcctg acccacacct tcgggttcat cggcaagcaa 300
gggtggtacg acaggagagt gacggctttc gtggagccgg tg 342

<210> 24849
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-E12

<400> 24849

ctccgacgcc atatcatatc tactcgacc tgcaactgca aagactcctt ttagcgcgct 60

gctgatgcgt cgtcgaacgc ggcacgcggt ccttaaagcc tgcgatgcgaa agccaggcag 120
 gcgtggacgt agtgattaga aacggttcgg gttagatggg tcgagaaaac ccagggtgcgg 180
 ccgtgcgggt gccgggtggt gcttgtcgca gctgggtgcgg ttcgctcagc tggtttgatg 240
 actgatcggc tctagcgagt ggacgactct tcctcgtttg gatctttact caaggaatta 300
 cgaacagcat gaagatcttg ggtgctcttc tacgcgtcgt cacatgctat ggctaacaaa 360
 aatactttac g 371

<210> 24850

<211> 410

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-003-Q1-K1-E2

<400> 24850

gcgcgccacg cggcgacatt tcgaataaca cagttgagcg cgacgatggg atccctcgct 60
 aataacatca tggtcgtggg tgtcgtcctt gcagcgctcg tcgccggcgg gtcatgcggg 120
 cccccgaagg tgccgcccgg tcccaacatc accaccaact acaacggcaa gtggctcacc 180
 gccagggccca cctggtacgg tcagcccaac ggtgccggcg ctcttgacaa cggcggtgcg 240
 tgcgggatca agaacgtgaa cctgccaccc tacagcggca tgacggcgtg tggcaacgtc 300
 cccatttcaa aggcgggcaa gggttccggt tcatgctatt angtgagatg caaggaaaaa 360
 cctgagtgtc cgggcaatcc agtcacggtg tacatcactg acatgaacta 410

<210> 24851

<211> 103

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-E3

<400> 24851

catggtaccc gccctgtatc ggagcattaa gcgcattctga tgtggtattg acacgcaccc 60
 tgatccgtac aatttccagc gccctatgtg cctgtcactt caa 103

<210> 24852

<211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E4

 <400> 24852

 cccacgcgtc cgcggaacgcg tgggcgctcc taggggacgga aggccgccgt gccggatgtt 60
 gggatatgca gcaagggggc agtgcgcacg gatgcaatgc atttgaatgg ctgcacgctg 120
 ggctctggta gctctgacta tcgtgaaggc gagatatgcy cgagatatgt ttcgaatgac 180
 gcctgcgac tcctaaatca tgagcggtac acatagctat tgtcgatgat gatatgatgc 240
 actaatggag cctaattggtg gcataaagta tagcagtagt tggtatatga tgtatgaagg 300
 tgacgttgac tacagca 317

<210> 24853
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E5

 <400> 24853

 gaagaaggtc gggcggtaca agcaaatcaa gcgaacagaa ggtgtctcga gcactgacga 60
 tagttgggag gatattgcta acattcaggc agaaagatgc tggcactgat ttaagtgttg 120
 tcattgctga gaagtctgga gagaaatcaa atgatgaagt gaaaagtcag ctatctcatt 180
 tccttccaac ttctcgccgg atcatgcagt tttcaaatgg gcaggctcct tcgccagggtg 240
 ctctgtgtgt ctatgtagat ggcacatttg atcttttcca cgctggccat gttgagttcc 300
 tcaggagtgc cagacaactt ggtgactttc ttcttgtcgg tatctatgac gacgagtcta 360
 tcagggatag aagaggctgc cgtcctataa tgcactctcca tgagcgtact ctta 414

<210> 24854
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E6

 <400> 24854

gttgccaaag aattccctcc cctagccgcc gccgccgctc gtctccctga gaggtgccgg 60
gaccgaggat ttggccgagt tctaggtaga gaatcggttt tacttgtctc agcccgggggt 120
ctgctgcgtc tgggtggtggg gaaggggaga aattcgtgag atctgttccg gatcaggcgt 180
gcgagctcgg gaatcagggg ttccacacat agcttcgtcg atttgaattt gatgtactaa 240
tggagtctaa ggggtggcaa aagtctagca gtagtcgttc tatgatgtat gaagctcccc 300
ttggctacag cattgaggac gttcgacctg ccggaggcgt gaagaagttc cagtctgctg 360
cttactccaa ctgcgcgaag aagccatcct gatatccctt ttggcttcct cattctagta 420
g 421

<210> 24855
<211> 413
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-E7
<400> 24855

cccacgcgtc cgcccacgcg tccgaccaga gtcctgact gtctctctct cctcctgac 60
ggcggggctc cgtctgttcc gtccatccac cgccccggtc gtctcccggc cagatccctc 120
tcttgcaagg tttctttgcg agtggccgga gaagatgatg ggcgggttcc tctccagggt 180
cctgctgctg gcttttgggt atgcctatcc tgcctatgaa tgctacaaga ccgttgaact 240
gaacaaacca cagattgagc agctcatatt ttggtgtcag tattggattt tagttgccct 300
gttgacagct ttggagagat tcggagattt tacaatatca tggctaccgt ttactcaca 360
agcaaaggcg ttgatctttg catatatggg gtaccctacg acaaatggaa cta 413

<210> 24856
<211> 423
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-E8
<400> 24856

cggacgcgtg ggaggcacct caagtgacat ttaaaaagcc tattgggagt gtcagcgtct 60
ctgggcacaa gtttgtcgga tgcccatgc catgtggtgt ccagataaca aggttggagc 120

atataaatgc cctttctagc aatgtggagt atctggcgtc aagggatgca acaatcatgg 180
gaagcaggaa tggccatgcc cctatcttcc tctggtacac cctcaacagg aagggtaca 240
gaggctttca gaaagaagtc caaaagtgtc tgagaaacgc aactaccta aaagatcgcc 300
tcaaggaagc aggaatcgga gcgatgctta acgagctcag tagcacagtc gtgtttgaaa 360
ggccaaagga tgaagaattt gtccgaaggt ggcagctggc ttgtgaaggg aatatagctc 420
acg 423

<210> 24857
<211> 367
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-F1

<400> 24857
aattcataga agcctggggg tgcacatata taaggtaaga tctgctaccc tggatacatg 60
gctgccagag caagttgcat ttatccaatc aatgggaaac gaaaaagcaa atagccattg 120
ggaagcagag ctgcctccta actatgatag ggttgggata gagaatttca tccgtgcaaa 180
atatgaggac aagagatggg taccgaggaa tggaacattg cgaccttctt cccgtgttcg 240
agatgagaag agccaagagt ctccagctag tgctaataagg agtggacatc atagatcttc 300
atttgagcaa aaccgtgctt caccagctct tccgagcaaa gttgcacatg tagcttcaag 360
gataccc 367

<210> 24858
<211> 339
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-003-Q1-K1-F10

<400> 24858
cccacgcgtc cgcggacgcg tgggcttcag cctcgacttc gagaagctgc agcgcgtgac 60
gctcgacctc atcaccgagg cgtccggcac catgtccgca ggcacgccc tgccaccctc 120
caacgccgga gcgcctcctt acggcgcggc ggcgccttcc gggggctccg ccgatgcccc 180
cgccggcgcc tccgagggcc ctgcgagcgc cagcggcccc tctggtgacg acgcgcgggc 240

gtccggtgct ggtgccagcg cgtcggctgc tgatgctccg cggcggcngn ctnatccggt 300
ccctctagcg caccagcgcc atcgtcgtcg tctgagtcc 339

<210> 24859
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-F11

<400> 24859

cccacgcgtc cgactagttc tagatcggc agaaatctgg ccaccctcct cgcgcggagc 60
gacccgaggg tgccccgtcc actctcgtgt cgggtcccgcg atgggcatgt tcgcatcggc 120
cgcaaagaga tacagcaacg gcaagaatct tctccgcagc gcgggctgtg gctgttggtc 180
gccgtccgcc tccgcccgagc ttggtggtgt gcgcggcaag gaagagacat cgacctcggc 240
gccagctttc gcgccggata gcaacaagaa aaggtggagg aagaagaagt tctggagaaa 300
gaagatgaaa gccagaagg agatcggcgg g 331

<210> 24860
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-F12

<400> 24860

ggccaccagg atggccatcg accacgccgc cagcaccgag tccaagatcg acgacctggc 60
ggagctggag gcggcgctgt cgtcggatcc gcaggcgcgc gcccgcttca accactgcct 120
ggagcagtag ggcggtctcc cgcacctcct ccgcgacgcy ctggacaacc tcaaggcgaa 180
gatctacggc aaggccatgg agcagctgac cgccgcaatg ggcgctcct agagctgcga 240
ggacgcgtgg aagggcgagg aggaggatgt ccctgtcacc gcgcacgaca gggagtacgg 300
taggatggcg cacattggct tcgga 325

<210> 24861
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D6

<400> 24861

cccacgcgtc cggaactgtc cgctgtcgtg actgacgttg gggaggtcgg cctgattgtt 60
gatggggcgc ggacctgggc gtcgcgcagc cgcctgtccc acgtggcgac gttgcgggag 120
cagtgcggga gacgacatca tgagtgcgga aggtggaggg gaatcaacca ctgcatttgt 180
gtagattggc gggcaacctg tccgggctgc catcgtcgga cggcgaccaa atctaggcag 240
cgctgtgttt ggtggcctgc aacgaggcct ctactcgact gacgtggtgg acgcgacagc 300
catcgagcgc aaggtggaaa taatggtgat cttgaggatc ctgcgcttgc gcagcacaca 360
tagttaatct aatctcgga cacgc 385

<210> 24862

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C1

<400> 24862

ggcgcgctg gtcgacctgc agcgggtcaa ggtggcggtg cagaaggcca aggacgaggc 60
cggcgtcgac acgtggctca cggcggctag gtcgacggc gactcgtgcc tgagcgactg 120
ccagaagggtg gagggcgctg cgtgagatgc tgcatagtca acaagatcgg ctatcgcttc 180
atgatgtgct acggtgatac gtggttccgc caatcgcta tatgagccac attcgttcat 240
gtcagctaca ctgagctgtt accacaggat tatagatggg gcaatctctg ctgaatttgt 300
gaaagcattc attggctaca tcgagaacct gacttcgatg ctgctgtgaa gttaggatcg 360
atgacctaac acaattcttg tcaagttgtt taaataacca ttccacccaa aagcgggtgtt 420
ttc 423

<210> 24863

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C12

<400> 24863

cccacacccc ccgctggcgg atccccccgc cgctgcccg cccgcgcgcc aagaattgga 60
 ttcacctccc cccacgctgc caggagctct gcccgcccc cgggtgccga acgaccacca 120
 ggttcacccg tgtctgccgc cggcggatgc cccctcccc cgggtggctag gagctccatt 180
 cgtgctgccg tcgtgtgctg ctgggctct ccccaatgg ttttacagca tgggcattag 240
 agcactcaat gactgacggg gagctactct ggcgcgcatc gttcaccccg gcagtaccta 300
 ttctgacgcg tatggtaggt ggccatcatg ttcctcacgc atgggtcaagt gcaactcgtg 360
 aggtgcctca ctactgcac tacgtccaca cgcta 395

<210> 24864
 <211> 414
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-C2
 <400> 24864

cgacgcgctg gcggagctgc cgttcatgac gtcacatcggg cacatcccag gtgccgtgaa 60
 gccacgggac ctcttcatca cgaggacgcg caggatgatg gggatcaaga gcaaacccta 120
 cggcacgatg ccgcacgtca tgtgaggagg atcccatcga cgatgacgtc cccggccccg 180
 gtccggcgat ccttcaattc cgatgaccaa acggagacta gctagatagg ctctctgtct 240
 ctggattttg ccacgttcta gttctagctg atcatttgat ctggctgtct gagatgtacg 300
 cttggtgtta tgagtgaacc cggaatatgg aagcacgac acttgctata tgtattatac 360
 aggtatacta gccggttgcg acggtttaca ataatatcca tgtaaactat gcat 414

<210> 24865
 <211> 261
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-C3
 <400> 24865

cctcgatctt aattacaggt catagctaag caggtctgac aggatgtcgt ggcagacgta 60
 cgtcgatgag cacctgatgt gcgagatcga gggccaccac ctgacctccg ctgccatagt 120
 cggccacgac ggcgccggtt gggcccagag caccgcattc ccacagttca agacagagga 180

gatgaccaac atcatgaagg acttcgacga gcccggttc cttgccccga cggcctctt 240
cctcgcccc accaagtaca t 261

<210> 24866
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C4

<400> 24866

cccacgcgtc cgcgcaaact cagttggggt taggcctgcc cctgttgaac caatagttga 60
ccgaaaagca aagctgtcat gtgaagtgat gaagatgata aattcaacca tagctggact 120
ggagaaaggg cacctgcctg tgatgtcagc tgaaggttca ggaggtgttt atttcatgcg 180
agatgcaaca ggccagaaga atgttgctgt gtttaagcct attgatgagg aacccatggc 240
caaaaacaac ccaaggggcg ttcctgtgtc cacagacggc gaggggatga agaggggaac 300
aattgtaagg gaaggtgcat tcaggaggt tgcagcttat attctcgacc atccagttag 360
tgatagtaaa tatggtcaca gt 382

<210> 24867
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C5

<400> 24867

gagaccgcca agtgcaagaa gatcgtctgc gacacctcgt atttgccaga caaggtggag 60
aatgttgga ggggtggccg cgcatatgc atcatgaagc atcctatccc ggacaccaag 120
gactcgact cctgcagat catcctccc aagatgcagc taaagcgcaa atccgacatg 180
tacgtgttct gctgtacta ctcccacaac gtcgccccca aaggcaagtt catcgtcttc 240
gtctccaccg aggccgagac cgacaagcct gagatcgagc tcaagcccg gatcgaccag 300
ctagtctcct ggagtggaga ccttgttcga catctacgac agatatgaac cgtcaacaa 360
ccatgactac gactgctgtt tactcacata ttgcta 396

<210> 24868
 <211> 434
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-C6

<400> 24868

gattattaca agcataaagc tatagaacac attttgattt tgtcaggaga tcaactcgat 60
 cgtatggatt acatggagct tgtgcagaaa catgtcgatg acaatgcaga cataacttta 120
 tcatgcgctc ctgttggaga gagtcgagca tctgactatg gattagttaa gttcgatagt 180
 tcaggccgtg taattcagtt ctctgagaaa ccaaaggggtg ctgccttgga agaaatgaaa 240
 gtggatacca gctttctcaa tttcgccatt gattccccag ctgaatatcc ctatattgct 300
 tcaatgggag tttacgtttt taagagagat gttttgtag accttctaaa gtcacggtat 360
 gctgaactgc atgactntgg ttctgaaatt ctgccaagg ctttgcata gcacaatgta 420
 cagggcataat gttt 434

<210> 24869
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C7

<400> 24869

gccgccagct gctgacctat ggacgaagaa ttcctacccc agagcttttt gcaagaatag 60
 atgctgttga tgcaagcact gtgaagcgtg ttgcaaaccg cttcatcttt gatcaggatg 120
 ttgctattgc tgcgatggga cccatccaag gacttccaga ctacaactgg ttcagacgcc 180
 ggacctacat gctccgttac taagatcaat ctgccggtgt accatgttta cgggtgtgcaa 240
 ggacaaagat aaaatttgcc tctttcggcg tctgtatatc aaggcctcag cactgcacat 300
 cgcttgctgc gacagagggt tttttcttct tcagaatttg ttttatttct tttcttgctc 360
 agaatccaca aatctgcca taatgatagg caggttcgac tgacgtggct tacttggggtg 420
 gtcagcctat ggtattttt 439

<210> 24870

<211> 362
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-C8

 <400> 24870

 cggacgcgtg gggcagcagc ccatgcagag gaaaaggctcg ccaccgccgc cgagaccgcg 60
 acgacggtgg aggcgaagaa gaacgccgag gaggccggga aggagaagct ggcgcagcaa 120
 agctgatcga ctgtccgtgc atgcgtgcca attaataataa ttgggctgat gatgcctgat 180
 gttcaatgtg tgatactggg aatcaagcag gagaccacac ttgaattctc tacagtttgg 240
 cataggtcgg gagagacact ctgcaccggc cacaccatgt aacaaactaa ctttcttcgt 300
 tgtctcccat tattttcctc cacggagttc ttctgatgaa acaacatgtt ctaattgggc 360
 tt 362

<210> 24871
 <211> 279
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-C9

 <400> 24871

 acggctcctg gagaagcttg aggacagatg ccacatgata gaaacctcca ttcaaggctcg 60
 ggttcaggag gctctcaaga ggcaatgcag ctaagagcca aacctttccg gggaggactc 120
 ctactcgtaa taatggctctg tagtatccaa atcaaactag cactgaagct ggactggagg 180
 tcatactcgc tcagtctgtg taacagtgtc agattgatta tcatgctttt gtacgacatc 240
 aggaatcata ccacgagatc atgcgatgtt aacaacaat 279

<210> 24872
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-D1

 <400> 24872

 cggacgcgtg gggtttcaaga gtgggaaatc aatagaagcc gataattctt tggactatgc 60

ggcaaatttc tcacacatgc ttggttttga cgaccaaaaa atgctggagc tgatgcggct 120
 ctatgtaaca attcacactg atcatgaagg cggaatgtc agtgctcata ctggcatct 180
 ggttgggagt gctctgtcag atccttatct ttctttcgca gcggtcttaa atgggctagc 240
 tgggccactg catggccttg caaatcagga agtgctttta tggatcaaat ctgtaattga 300
 ggaaactggg agtgggtgta ccacagatca actcaaagac tatgtctgga agacactaaa 360
 gagtggaaag gttgttcctg ggtttgggtc tggagtctcg cgta 404

<210> 24873
 <211> 293
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D11

<400> 24873

gagcttcgca cgctatcgct cacaactgtg ggcagatgca gtctttgaac cataggctgg 60
 tgtgatgatg ttacagataa gggagtgacc agcttagcgt caggatgccc tgatctcaga 120
 gccgtagact tgtgcggttg tgttcttata acagatgaga gtgtgggttg tcttgccaac 180
 ggatgtccgc acctgcgctc gctgggcctc tacttctgcc agaacatcac ggaccgcgcc 240
 atgtactccc tcgcaaacag ccgcgtgaag agcaagcgtt ggaagtggga tgc 293

<210> 24874
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D2

<400> 24874

ccctcacggc cgctccaca atgccgcgcc atctcgcgct gctcctgccc ctgctactgc 60
 tggcctcgcc ggcgggcacg cgctggcgt ccgccgcctg cgcgggcgag aagttcccgg 120
 cggggcgctg gtacgcgtcg tgcgaggacc tgccgaagct gggcgcgctg ctgcactgga 180
 cgtacgacgc gtccaagagc tccctgtcgg tggcgttcgt ggcggcgccc gcggcgcgcg 240
 gcggatgggt ggcgtggggc ctgaaccgca cgggcgaggg catggccggc gcgcaggcgc 300
 tgggtggcgct ggcggggggc ggggcgcggc cgcccgccgt gcggacgtac aacatcacgg 360

ggtacgtccc gctgggcaag gcctacacgc cgctggact

399

<210> 24875

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D3

<400> 24875

catcacgatgt tactagtaaa ctggcaagat ttactaggct acaagcagat acaaatatgg 60

tgctaccaa acatttggtt gccactgtgc tttcctgaat acagtcttac tccaaaaatg 120

tggaaataat atgcatgggtg cagctattta cttatgatct gatatgcaat cagatgtact 180

tgacgattcc agtttattgt cattctgacc aactctagtg tttctgtcgc aacatttcaa 240

cttatttgca agtgggttatt ttgtttttac tatcttatct tgagctcaat tcttttttga 300

atgaaattct tgagttcatt tcttgtcaca tgggctttat acagctctgc cttatgtttt 360

gcaccttcgc ttatcaccat attctattca acaagcaagc ccacaatgca atactttgtg 420

t 421

<210> 24876

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D4

<400> 24876

catcagtcga gcctccgtgc acgacgcatt cgccttgatc tccgatccct accttcagta 60

ggagagagag aggagaggag aggagaggag gggcacggag atggagagag cggccctcgt 120

gaggagctac cacacctcga cggctgacct gctcacgtgg cctaaccctg atgcgcccgg 180

tcgctgacag cacgccggcc taaccagccg acggaagaat tcaggaatgt cgtgtctggg 240

gggcagctca cagaagg 257

<210> 24877

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D5

<400> 24877

gtggcgctca ctgtcgacct ccccgccatt ggcgccttta ctatcccgct caccgccgag 60
ggcgagatca agctccgcac ctttcgggac ctattagtct aagcaattca gatgtttggt 120
gtgtgaatct gatcagcttt cataccatag tcagtgtctga tgtggatatg caatatttgc 180
ggattttcttt atgtgttcat ggatttcaaa ttgaggacgg gcgcacgctt gctgactaca 240
acatccaaga aggagagcac cctacaactt gggctgcggc tctagagaag cctgcctaac 300
ttacgcaaga ctgctgacct ggtagacttt caatactgga agcggagtcc aatgacatga 360
tcgacgtctt ccaaggccag aactggg 387

<210> 24878

<211> 308

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B9

<400> 24878

ggagcaagct tgcaatgaag ctctaatect cctgctgtgc gacatgcctg ccctgcagga 60
ggagcaagct tgcagtgaag catataagac ttcaaacaca cgataccagg catgcatgcc 120
atacagtaca tgggaatgaa aaccacacaa cgctcgacta ctgataattg catgacacag 180
tcacttacga ttgctataat caatactgac agcatgacct acatggttcc aatgcaggca 240
ttcgcttat taatcatcca ctacacactc accctaccta atagaaacaa cctggacagc 300
ctaatcaa 308

<210> 24879

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-A12

<400> 24879

gaaaattgcc atcacctagg ttccaggttg aggttgctct ggtagattac gatggctcgc 60
aaccacaaaa accagccgct ggagcagttg ataataaate tgatgccgat tcctcggcta 120

gcacggctgt gaaagaaaat agtgttgcgc ctgcagaatc caacaagggg actggaagca 180
atgataaaga tgaagtattc tcggacagtg acgacgggga ggatggatca tctaaggaaa 240
gaaaggagag gactgctggc gcggtgggtca aggcagtgtg aatgctgcta aaccatctca 300
aacaagcaac gtggagaagg aggcacggtc cgctgctagc agacttgata aagtatagc 359

<210> 24880

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-A2

<400> 24880

cccacgcgtc cgcccacgcg tccgggcagc cagcagggga ggaggacacg aatcgtagtc 60
ggcctcccg cgcgcccggc aattgttgtt gctgctgcgc gcagggcggt tctggattgc 120
ggtctgcccc acccacgaac aatccatggc tccatctccg cctcggcgtg ctgcgctcct 180
cctcaccact gtgcttctgc tggcggcggc cgggtccacc cccggcgcca cggctgctgg 240
catcttccag gtgcgccgca agttcaccgc cggggtggga gggggtgctg gcgccaacat 300
cagcgccctt cgcgccacg acggcacccg tcacggcggc cttctcgag ccgccgacct 360
ccctcttggc ggccctcgcc ttccactga cactggcctc tattaca 407

<210> 24881

<211> 255

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-A3

<400> 24881

cccactcgtg cgcccacgcg tcttcccaca cgtgcgcggg gcggcaatga cctgctggga 60
cctttagggtg gtcaccgcgc tcgacacctc caatacgcaa tggtagcact tcaccgcat 120
cgtggctgcc agcatcggtt tcttcaccga cgcctacgac ctcttctgca tctccctcgt 180
gactaatctc ctctgccgca tctactacac cgtggagggg tccgccacgc ccggcaccct 240
tccgccgtac gtgtc 255

<210> 24882

<211> 407
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A5

 <400> 24882

 agcaccattt cgaataacac aggtgagcac cacgatggga tccctcacta ataggaggat 60
 cgtcgagggc gccgtccttg ccgaactcgt caacacccag tcgtgccacc ccaccaacgt 120
 gccacccggc cccaacatca ccaccaacta caactacaag cggctcaccg ttagggccac 180
 ctgtaaccgt cagcccaaca gcgactacac tcctgacaac tgcggtacgt gcgggatcaa 240
 gaacgtgaac ctgtcacctt acagcaacat gacggcatgc ggcaaacctc tcattcttcaa 300
 ggactgcaag ggctgcgtct catgctacga agtgagacgc aaagaaaaac ctgagtactc 360
 tcacaataca ggcactgtgt acatcactga catgaactac gaaccta 407

<210> 24883
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A6

 <400> 24883

 cccacgcgtc cgcaggcgcc ctaaactcga ggctcgaaga ctgcctgtct gactcgtctg 60
 gaagagggct ggcttccaaa gagccccgga gcggccccctc gacttcggct gtcgattctg 120
 agaaccgcgc taacttgtcc agtcagttag cccttttgaa agtggtgaag cagacaaaag 180
 gccacgtgtc agagtgaccg gaagaacgag aaaggggtgt gtttcagtgg tgtgtagtag 240
 gtaggtaatt ttgtgtgtat gcctccgggt aaaagccccg cggtagccag tttgtagatg 300
 gtgcttctcc tgggtgctagt ttcccgctcg aagctggatt tttttggggg gtgtgtgccc 360
 tgctctgtgt gctgaccgcg ctgggggtaa gttgtagcag agcaagagaa ag 412

<210> 24884
 <211> 403
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A7

<400> 24884

```

cccacgcgtc cgccacgcg tccgcccacg cgtccgcggg gcggcaatgg ccgccgggga 60
ccttgagggtg ctcaccgcgc tcgacaccgc gaagacgcaa tgggtaccact tcaccgccat 120
cgtggtcgcc ggcattgggggt tcttcaccga cgcctacgac ctcttctgca tctccctcgt 180
gactaagctc ctcggccgca tctactacac cgtggagggg tccgcgacgc ccggcaccct 240
cccgccgcac gtgtccgcgt ccgtcaacgg cgtggccttc gtgggcacgc tgtcagggca 300
gctcttcttc ggctgggtgg gcgacaagct cgggcgcaag aaggtctatg gcatgacgct 360
catgctcatg gtcctctgct ccgtcgcgtc ggggctctcg ttc 403

```

<210> 24885
 <211> 425
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-A8

<400> 24885

```

acgcgtccgg aaatgttaac gcattaaaag gtatacggta tcagtaaacc ttacaagtgt 60
gatgccaagg gaaaacggca tcagctgaca cattgctata ttctgttta tttcgtccga 120
ataaagtata taacttaaga aaggggctct tgccccacag cagctcaagc aaaaatgtac 180
aaagaaaagc agctcgagta gagagaatct gccactctct cgacagattg agctgctgcc 240
atggcgctaa ttcacgacac atttgatgtc tcggcaagac ggggaggagc tcagtaagtg 300
agatgataaa aaaatagaat caggttgagg ggtaagtata cacgggtaga aaaattgcct 360
ccttggcctt aattntgggt cttctccacc ttggccttga tcttctgctc gatgattgcc 420
ttctc 425

```

<210> 24886
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B1

<400> 24886

```

cggacgcgtg ggccggacgcg tgggcggacg cgtgggctga cgctgccttt tgctctggcc 60

```

ttccaccccg tctgcccgcg cgcgctgtct cgtggcgaca actggggcgac cgccgccgcc 120
 gtcgctgccg ccgctacgcc aagaagctag gtcttcatcg gtcccttcgt cgagattttc 180
 tccggcgaca agcaccacgc aggggactac aagattgatt ttgatggatt atgacaagtc 240
 tagaagaagt aactccaaaa agaggacaca ttccaattct gatgacggaa agaggaaacg 300
 gttgagctct aggcattgat acacatctat gtcctctgag ccaattgaaa ccattctacg 360
 gatattgtgc ccggcaaaaa agataggcag tgtcttggga agaggtggtg aca 413

<210> 24887
 <211> 250
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-B10

<400> 24887
 acaggacctg gcgaagaatg tatggactcc tcagcgtcga ccggctactg gtccggccga 60
 tactgatgtc ctgcctgtgc aacgcataca gcgacgagca atacctcatc ttcttgagac 120
 tatggtgtga gcgctactgc catgtccatg ttcactatga tctagaggaa gcgcacggag 180
 cctgccaaact tcaatgcttt ataccctctg cacaacacaa gtgcgacact aggaatgctc 240
 cagaagaaag 250

<210> 24888
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-B11

<400> 24888
 ccggcgtcag agcgtcccgt cacgcgtccg gtcacgcgta cgctcaaagt gcagctgata 60
 aacagggtcta tgcaactggtg gttcctggct tttggatgga tgggtggtcag ccagagact 120
 acattactgg attgcgtctg tatctagact cgcttacgaa gaaatcggct gccaggctag 180
 ctgctggagc acatgttgct ggcaacgtgc tgggtgcatga gagcgccaag attggagaag 240
 gttgcctgat cggtcctgat gtctcaattg gacctcgatg tgctcgtgcaa gatggcatga 300
 ggctatcccg ctgcactgtc atgcgtcgag tgcgtatcaa gaagcatgcc tgcattctga 360

acagcattat cgagggggcac tcaactgttg gacaatgggc acggatagag aatatg 416

<210> 24889

<211> 151

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B12

<400> 24889

cccacgcgtc cgcccacgcg tccgatcgcg agcggccgtc cttcttttct ccgggggtggg 60

gtttatgagt ggcgggctgt tctcatcaac gttatgtata ctactggca aagtacatgg 120

cataagtgcc gtcaaccgcg tgattaccgg c 151

<210> 24890

<211> 382

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-003-Q1-K1-B2

<400> 24890

cgagacgccg ctgcaggtca agctcaacgg cgtggccacc atcatcggca agatcgggct 60

cgccttcgcc gtgggtcacgt tcgcggtgct cacgcagggc ctgttctggc gcaagctcgc 120

cgacggctcc tacttcagct ggaccggcga cgacgcgctg gagctgctgg aggtcttcgc 180

catcgccgtc acgatcgctg tcgtggccgt ccccgagggc ctgccactgg ccgtgacgct 240

cagcctggcg ttgcgaatga agaagatgat gaacgacaag gcgctcgtgc ggcacctcgc 300

ggcctgcgag accatgggct ccgncaccac catctgcagc gacaagaccg gcacgctgac 360

caccaaccac atgaccgtcg tg 382

<210> 24891

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B4

<400> 24891

gcctttgcct acacatcgac gcacatgtac ttttggggat aggcttgcca ccgtgtggtg 60
ctagatgagt cgtggaataa gcttttactt cctcgctgct gtgggcgaag tgactggaat 120
tcggacatct ggaactaaca aaaccctacg tggatgcgta tgacatgtct tgctcgacaa 180
tgacaacca aaca 194

<210> 24892
<211> 414
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-B5
<400> 24892

cccacgcgtc cgggtggggat aagttccac tctttgctgg catcatagca cttgtgatga 60
gcatcgcaac gatggtccgt ctgaccgca gcatgatgcc tgggaagggt ctcggtgctg 120
ccataggtgg agctaccctc tcagaaggta aatcaaaagt acaagagcgc cagcgggtcca 180
agctatcaga agaggctgtg gaggaagctg aagacgcogt ctctgcaaag cgcctctcgg 240
agcttgagga gaaggtcatt gcactcctga caaaaccgc atcaatgcct gctgataagg 300
aggaggttct gcaggctgct gtctcccgcg ttagtgact ggaagaggag cttgcagcta 360
caaagaagac cttgcaggag actcttgagc gtcagttgga gatcgttgca taca 414

<210> 24893
<211> 398
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-B6
<400> 24893

gtctttgcct cgacagcgat tcaatcatcc gaagtacttc tcaaatagat ttgtggcgaa 60
cagcttgccc atccatcaaa gtgaccggt ttcaacaatg aatgattctt ttagcaacta 120
tttggcctcc gctcctcccg cggaacaaaa gaacttgctt gggaacaggc tctatcctct 180
tgttgagagg catcagccc aactcgcgag caaaatcact gggatgctct tggagctcga 240
caactctgaa gtggtcacgt tgctttgctc gtcggagatg ttgtcggta aggtcgacga 300
gtgtgtccag ctgttgagg caaccaagcc taaggctgaa gatcatgagg cgctgcaccc 360

aggattcatg ctggagcctc ggcctcctac tgtaaattg 398

<210> 24894
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B7

<400> 24894

gtacaattgc tgaggaggtg aagcagttgg ctcaaaaagc aagagacaat agcttaaaac 60
cagcagatta tgagggtggc accttcacgg tatcaaactt gggaggtccc ttcggaatca 120
aacaattctg tgccatcata aatcctcctc agtcagcaat tttggctatt ggttctgccg 180
agaagagggg gatacctggg tccgccgatg gcctgtatga gtttggttcg ttcattgtcag 240
ctacactgag ctgtgaccac aggggttatag atgggtgcaat cgggtgcggaa tttctgaaag 300
cattcaaggg ctacatcgag aacccgactt cgatgctgct gtgaagttag gatcgatgac 360
ctaacacaat tcttgtcaag ttgtttaaat aaccaggcca cccaaa 406

<210> 24895
<211> 387
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-003-Q1-K1-B8

<400> 24895

ccctccctcc ctcacacaaa taataaggaa aggtcccgcc ctttccctcc gacatccgca 60
agggggggagg ggaaaacacg tacattcacc cggcggcaat aatggcctcg gttccggctc 120
cggcgacgac gaccgccgcc gtcacacctat gcctatgcgt cgtcctctcc tgtgccgcgg 180
ctgacgaccc gaacctcccc gactacgtca tccagggccg cgtgtactgc gacacctgcc 240
gngccggggt cgtgaccaac gtcaccgagt acatcgcggg cgccaagggtg agggctgagt 300
gcaagcactt cggcaccggc aagctcgagc gcgccatcga cggggtcacc gacgcgaccg 360
gcacctacac gatcgagctc aaggaca 387

<210> 24896
<211> 360

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-A11

<400> 24896

acgcgtacgc gtggcacaat atcatcatca ctacatcacc cgcttttctc aaaagggaca 60
 ggcataacaa aacaaaccct gaagataata gatacttcat taaaaggaat cactggatga 120
 aaaagttcgc atatggagca ttcaaaaccg tgaaattggt gattggaaag atttgcata 180
 aatggtcact gctgcttgct ataccccaga tggacagagt gcactaattg gttcccataa 240
 aggcagctgc catatztatg atacatctga taataagctt ctccaaaaga acaaattga 300
 cctgcaaatt aagaaaaaga agtccagtca gaagaaaata actggatttc aggtccttga 360

<210> 24897
 <211> 259
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G3

<400> 24897

cccacgcgtc cggaggacac gaatcgtagt cggcctcccg cccgccccgg caattgtggt 60
 tgctgctgcg cgcagggcgg ttctggattg cggctctgcc caccacgaa caatccatgg 120
 ctccatcttc gactcggcgt gctgcgctcc tcctcaccac tgtgcttctg ctggcggcag 180
 acgggtccac ccccggcgcc acggctgctg gcatcttaca ggtgcgccgc aagttcaccg 240
 ccggtgtggg acgaggtgc 259

<210> 24898
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G4

<400> 24898

cccacgcgtc cgtgtttttc ttctcccgtc cgcagtcgcg ttggcgtgcg cgacggctag 60
 ggcgaccgcc gccgcctac gccctacgtc cagctgccc tgtcttcttc gggccccttg 120
 ccggcgggaa ctcaccagac caggaatcgt gctggcaacc ggcgcaagtc tggagatagg 180

gctgataaag ctaattacta ctacaataat gatggagaga agagcaatgt tccttcatta 240
aagaaccttc ctccaattgt tcatcatgaa acattcttca gcaatgttca gaatgactac 300
aatcaaacag gattagtgcc tttggaggga tgttctgccca gtgaggcttc acagcttctc 360
agtgatcgct ggactgctgc aatcaacatg 390

<210> 24899
<211> 85
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G5

<400> 24899

cccacgcgtc cgccacgcg tccgccacg cgtccgctg gggagtaaag gatgcttggg 60
atgggaaagt agtggcattc tcaaa 85

<210> 24900
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G6

<400> 24900

cccacgcgtc cggatatttt caaactggct attaatgtat ctttcagatg aggaggtcca 60
aaagcttggtg gggaaaatgg ttaaattggtt aaaggctcgga ggccatattt tctttagaga 120
atcatgtttt caccaatctg gagattccaa aaggaagggtg aaccaaacac actatcgaga 180
accaaggttt tataccaagg tatttaaaga gggccattca tttgatcaag atggaggttc 240
gtttgaactt tctctagtga cctgtaaatt cattggggct tatgtcaaaa acaagaagaa 300
tcaaaaccag atatgctggt tatgggaaaa ggtaaaatca acagaagaca gagattttca 360
aagattcctg gacaacgtgc aatacaaaac aagtgggata ttacgttatg agcgtgtctt 420
tggtga 426

<210> 24901
<211> 414
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-002-Q1-K1-G7

<400> 24901

tccaccgcga cgtcaagacc accaacaatcc tcgtcgacgg ggactgggtc gccaaaggtct 60
ccgacttcgg cctctccaag tccggcccga cgacgggtgaa ccagacacac gtgagcacca 120
tggtcaaggg cagcttcggg tacctcgacc cggagtactt ccggcggcag cagctcacgg 180
acaagtccga cgtgtactcc ttcggcgctc ttctcttcga ggtgctcctg gcgcggccag 240
ctctcgaccc ggcgctgcca cgggagcagg tcagcctcgc cgactacgcy ctcagctgcc 300
agcggaacgg caccctgctg gacgtcctcg acccaacgat caaggaccag atcgcgccgg 360
agtgtttcaa gaaggtcgcy gacacgncg agaagtgcct cgccgagcag agca 414

<210> 24902
<211> 145
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G8

<400> 24902

cccacgcgtc cgcccactcg ttcgaaaaat aaaaaaaaaa aacacaaaaa agaaaaaaaa 60
aaaaaataaa aaataaaaaa taaaaaaaaa taaaaaaaaa attataaaaa aaaaaaaaaa 120
aaaaaaaaac tggccacctt tttaa 145

<210> 24903
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H1

<400> 24903

gaaagaacga gggacatctg gtgctggctg aagaaccatc gaccctgatg gtactccagg 60
cggcagtaaa agaccgaagg attcagctca tggtcaccaa gtttgtagagg gagttgagag 120
aggagcccggt cttgatgatt agggtagagct ggaacgtggt cctcatctcg gtctcatctg 180
ccgctgtagg cctgcaccgt ttcttggtgt tcttcttgaa ggaggatggt gccaggttct 240

tggatgacaa ggtcaagaaa atgaagattt ggctgatgga gttctcgaag cggacggcta 300
atctggagat tcaaggaatt ctgtgaatgt ggtggctttt ggttgaagga tttaatagct 360
gcttcgcact ctggtttttg gagttacttt ctgcatcgag tg 402

<210> 24904
<211> 300
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-H10
<400> 24904

gttgatcggc attgaacacg cacacgctat agtttttacc cggatgaatgg accatttgca 60
ttggaacgat acgtgtgagt tctctagtgt tatttccagt ggcctaagct agcaacagtg 120
tatagttggg ttggcactgc aaacttctac cgttcgagtt gggattataga gctagttatt 180
ggttcatgtt gaacttatat tattttctat cttgctgcag ttatgtttgc tatgtgtacc 240
aaacatgtat tggaattttt gtaagctata atatggccag cacagcagta gcctcacatg 300

<210> 24905
<211> 419
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-H11
<400> 24905

cgcggttcat gaccagaaaa cggcgctcgg cgatagtgtc aaagctggag cagatcgggg 60
agacagagcg ctctgtggtg aagaaacagg acgggctggt gaagctgcag gggccaagc 120
aagggaggaa ggggcagctc gcgatcgacg ccgagatctt cgaggtgaca ccggcctttc 180
acgtcgtcga ggtgaagaag tcggcaggcg acacgctgga gtatgagatg ttctgcagca 240
agggcctaag accttcactc agcgacatct gctggagcag ccgatctgag gagaacatgg 300
ctccttcagt ggttcagcca tcacaattgg agccatcctc ttagaccgtc tccgacagtt 360
tactcacccc tcttagtcga ttgttattta agtgcagtct cttcggagat gcaattaca 419

<210> 24906
<211> 383
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-H12

<400> 24906

gtcggcagcc accatgccac cgcacgcaac caaggatccc gtcgccgcgc ctgcaggggc 60

cacggcgggcg gcgctgtcgc gggccctggc ggcgggcggc cctttcctgc gcggggagga 120

ggcgagggtg gacccggcgc tgcctggcct cgccgacgtg ctgcgcggcg cgggcgccgg 180

cgagtgtctg cacaagcacg gcacgttcct ggcgcacctg ctggacgtgc accggatcct 240

ccgnctgttg ggcgcgcccg acgccgtggc gcgctggcgc ctctaccact ccgcctactc 300

caactcctac gtcaacctgg ccatcttcca gcctgacacc gggcgcgccc acgtcgctgc 360

cgtggtcggc ggacccgcgg agc 383

<210> 24907

<211> 287

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H2

<400> 24907

gcaaaacatg gctgtgaatg tgagaaccat gtggtcgtcg atgcggggcac aggttgcgat 60

ggttgtggcg ttggtgttct tggtagcgcg cgcattggtgc ggtcctccca aagtcccccc 120

aggcaagaac atcacggcca cctatggcaa ggactggctg gacgctaaag cgacatggta 180

tggcaagccg acaggtgccg gtcccgacga taacggtggc ggctgcgggt acaaggacgt 240

gaacaagccc ccttcaata gcatgggcgc atgcggcaac atcccca 287

<210> 24908

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H3

<400> 24908

acgcgtaccg aacaagccgt gcacgcctcc cctacgtcac cccaccacat ccggccagcc 60

gaacgagaat gtcgcgcgcc acagctgcgg tcctcttcta catcctcgcc gtcgctgacc 120

tcagcgcggc cgacgcaccg gcagagtcac cgaaggcagg cagtcttgcc aaggcaccgg 180
 ccgagtcacc gagagcaggc agtcctgcag ctctgcca ggcacccgag tctgctgcca 240
 cgagaactgc cccggctaag gcacctcagg ccgcctccac ccccgccgct gccgctgccc 300
 catcgtcggc gtcgtctagg aagtctggtc cagctgccgc gccgaccacc gccgcctgta 360
 caccgtcttc ttccacggac gaggagtga gc 392

<210> 24909
 <211> 400
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-H4

<400> 24909
 cccacgcgtc cgcttccact tgcacaccac gccccgacaa agcgagcgag agcagccacg 60
 gcaaaaccct cgcgggcgtc tctctcgaga tcggcgggca gcagcgacgc gcgcgcacaa 120
 cacagcaggt gaaggcaagt gagtcagtgg ttggggctct cgtcctggct atgagaggtt 180
 taagtcggtta tctgccgttc tgcggcggcg ggtgctgctg cggtgacggc gccggcaggg 240
 cagggggcgt ggcggatggg ctggtgtggg acgtggccct caaggcgac gcgtccggtg 300
 actactccat cgcogtggcg caggcgaacg aggcgctcga ggaccaggcg caggtggctc 360
 cggctccggc cgnacgctc gtcggcgtct tcgacgggca 400

<210> 24910
 <211> 237
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H5

<400> 24910
 ctacgcggac gcatgagtca atccggtcct ttttgatgaa ccatcgaccc tgattgtact 60
 ggggacggtt gaataagacc gaaggattca tctcatgttc accatgtttg tgaatcattt 120
 catagacgat cccgtcttga tgaattactg tgaactgtaa catgttgctt atatcagttt 180
 catctgtact tctaggcctg ttctgatct tggcggttctt cttgaaggat tatactg 237

<210> 24911
 <211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-H6

 <400> 24911

 gtctgatcgg atatggtgcc agtgctgtgt gtccttatct ggcactagaa acatgccggc 60
 aatggaggct gagcaacaaa actcttaatt tgatgcggaa tgggaagatg cccacagtga 120
 ccatcgagca ggcacaaagg aactttatca aagcagtaaa atcaggtctg ctcaaaattc 180
 tttcaaaaat gggatatctca ctgctctcaa gctattgtgg agctcagatc tttgaaattt 240
 atgggtcttg tcaagaagtt gttgatcttg ccttctgtgg aagtgtatcg aaaattggag 300
 gtctcacact tgatgagctg ggtagggaga ccttatcatt ctgggtgaag gcgttctctg 360
 aagatactgc aaagaggcta gaaaactttg gatttatcca atccagacct ggaggtgaat 420
 accatgc 427

<210> 24912
 <211> 190
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-H7

 <400> 24912

 aacaatcctt gcacctctcc ccttcgtcac cccaccacat ccggccagtc caacgaagat 60
 gtcgcgcgcc acagctgcgg tcctctctta attcttggtc gtgcttgact taagcgcggc 120
 cgagcaacgg gcagagtaac cgaaggcagg cagtcctgcc aaggcaccgg cgagtcaccg 180
 aaggcaggca 190

<210> 24913
 <211> 141
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-H8

 <400> 24913

cccacgcgtc cgcttccact tgcacaccac gccccgacaa agcgagcgag agcagccacg 60
gcaaaaccct cgcgggcgtc tctctcgaga tcggcgggca gcagcgacgc gcgcgcacaa 120
cacagcaggt gaaggcaagt g 141

<210> 24914
<211> 417
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-H9
<400> 24914

gttggaaga gaggagggcc ggcgtcggcg tgcctagctc gatcttgaac catagctagc 60
cagcatggcg cccagcagca gcatagcagt actgctgctc ctcgctcgctc ccgctcgctcct 120
ctccaacgtc ccctcctcgg gcgccctggc ctctcgtcgc tcgtctctgc tgcaccagtc 180
gtctccgtct gagagtgaga ctgagaccga cagtagcagc ggagaatctt cgtcgtcgtc 240
gtcgtcggag gaggaggagg ccggcgagaa ggagaaggag aaggagcagg agatggagaa 300
ggcggtcgcy gcggagaagg ctgccagca ggagctgctc aagtacgcca aggagaaggg 360
catcgtgtca ccgaccaacg gcacggtgtg gtacaagggc atcgcccggg agttcgt 417

<210> 24915
<211> 395
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-G2
<400> 24915

cccacgcgtc cgaacaaaga aaaggaaaag gagaccaagg aaaaatgtga ctaaagggtg 60
gtttccaaaa gatgtcgaag cttcgtcgca gctcgtcctg caagagaacg aagtgcattc 120
actagctact taactacctg caagagaacg aaggcgaggg tgagggtggc aagggtgtca 180
aagagaagcg ggaggtagcg tggcgtcgcc atggaagcat cggaggcttg ggattaggtc 240
ggaactcagt agcgaagagg acccataaca ggtgtgtgag atataggaga atgtgattgt 300
gtttggcctt ttgttttgtg aaatttgtac gcgatgaagg caacatgaaa ctaaaattag 360
gggatgaatt ttgggagaga atacagacca catag 395

<210> 24916
 <211> 141
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A1

 <400> 24916

 caccgttctc gacactcttt aatactcaat ggtaccactt tcaccgacat ccttatcgcc 60
 ctcatcatgt tcttcacact acacctacta cctctttctgc atcttctctca tgactaacct 120
 cctttgccac atctactaca c 141

<210> 24917
 <211> 301
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A10

 <400> 24917

 cccacgcgtc cgccccacgcg tccgcggacg cgtgggcaaa ggccttcctc ccggggtagt 60
 tgctttggct cttctgctcc acgccataag atatctagca attgggtcact cgccttaatt 120
 agttcgcttt gcttttgagg ttgattcgac cattttgctg tagcgtgaat tgcattgcatt 180
 gacatgcaac gctccaatgg cctttggaat gtggaatttt tttccccatt ttctgtattt 240
 ttcctataaa aaatgaactg ggtcttaaaa aaaaaaaaaa aaggcggccc gtctaaaaga 300
 t 301

<210> 24918
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-H9

 <400> 24918

 cggacgcgtg gggtgacacg caaggagcag cagcagcagc agggctcgcc cgacggcgac 60
 ggcgccgacc cggggcggtt caccttcgac tcgtcgccgg tggttcgtccc gccggcgggc 120
 ctcgcatgct tgagcgtcgt cgccgtcgcc gtcggagcgt ggagggcggt taccggtggc 180

ggcggcgggcg gcgggcgggcg cccggggcgtc ggggagttcg tgtgctgcgc ctggcttctg 240
ctctgcttct gggcgttcgt gaggggcctc gtcggcgggca ggggaagcta ctgcatcccc 300
tggagcgtea ggatcaaggc tgcctgctc gtggcgcggt tcgtgcacct gtccacgcgc 360
aagtaacttg cccgaccag gcgtcgactt accactgcta ctagtgct 408

<210> 24919

<211> 469

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H8

<400> 24919

gcgcgaacaa gttctggggcg ccgacggcga agccggcgct ggcagcggag ccctgcacgg 60
ggcagctgaa cccgctgaac cccaagacgt accgctggc ggaggacgtg ctgcgcgacc 120
tggcggcctt gttcccgac ccgtacctcc acgcgggcg cgacgaggtg aacacggcgt 180
gctgggagga cgaccccgct gtgcggggct tctggcgga cggcggtcc cacgaccgcc 240
tgctggagct gttcgtgaac gcgacgcggc cgttcttagt ccacgagctg aaccgcacgt 300
cggtgtactg ggaggacgtc ctctggggc ccaaggtgtc ggtcgggcag acggtgctgc 360
cccacgacac caccgtgctg cagacgtgga acaacggcg cgagaacacc aagcgcacgc 420
tggcggccgg gtaccgtgcc atcgtgtcct tcgctccta ctactacct 469

<210> 24920

<211> 461

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G4

<400> 24920

cccacgcgtc cgcccacgcg tccgcccacg cgttcgcgga cgcgtgggcg cgcacacaca 60
cagacacaca cacacacaca cacacgacgt cgtacgcggc agctagcaga gcacgcacga 120
tcgccgcagc gtacgtacta gcacagagga cgacgaccga cgccatggcg gacttcttcg 180
cgcgcgccgg cgcgcgccgg gtggcgcgcg tggatgatgg ggcggccgtg ctggcgccgt 240
cgtgggcccgg cgtggcccgc gcggacttcg cccaggaccg cgccatgtgc gcggaccggc 300

tgatggggct ggcgacgtgc ctgacgttcg tgcaggacaa ggcgacggcg cgcgcgccga 360
 cgcccactg ctgcacggtg ctgaagcatg tggaggccgc cagcaagctg tgcattgtgcg 420
 tgctgggtcaa ggaccgcgac gagccggcgc tgggggttcaa g 461

<210> 24921

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G5

<400> 24921

atagtttgct tggctcctgta aaaacatggc aaattcaaga ttgtattgat gttcataaat 60
 tgctggagac agtcttttggg gatcagaatg ttgcaaatac gtggaaggca cgggtgcgcgg 120
 aatattttcc gtactcgacg tactttgaag gcatcaagag cgctatttca acctatgcc 180
 ttgaccatag tctcgagagc ccaccagaaa atggaattgc ttcaaaccct catctgaaat 240
 caaaagatgg agaacaaggg agtttgaatg ggactctgca tattgtagat gatttgagca 300
 gcctaagcat tccgtaatgc acgaacaagt tgctgaatgg tcacaactgg aacacaacat 360
 tttagaactg gagccagtac ccaattaacc aaagcgtaca cgaacaaggt gaacatagtg 420
 ctctgggtgca agtagttgtc ggcacatcac atatgaagag tat 463

<210> 24922

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G6

<400> 24922

cacaataaga tggcgtgtat agacaatgca atgagagcct tgttcctttt agcgctcttt 60
 tgtgtcttgc atggtgagaa ggcaaagtca aaggacaacg atgcaaaagc gtccggggccc 120
 ggtgggtcct tcgacatcac caagttgggc gcatccggca atggcaagac ggatagcacg 180
 aaggctgtgc aggaggcatg ggcacagcg tgcggcggta ccgggaagca gacgatcctt 240
 atccacaatg gcgacttact cgtcggacca ctcaatttca catgcccata caagggaac 300
 gtgaccatcc aggtgaatgg caatctgctt gcgactactg acctaagcta gtacaaggat 360

catggtaatt ggatcgagat tctactcgtg gacaaccttg tcattaccgg caagggaaag 420

c 421

<210> 24923

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G7

<400> 24923

gggcacgcct caagaacggc atcctcgatc tggggttaac gatccaggcc cagaagcagt 60

cggagctccc tgagcaggtc ctctgctgcy tcaggttgaa caagatcgat ttcactgacc 120

aagaagttcc aacaatagtc accgttgatg acacctgacg catttgatca aaatgggcat 180

cagacgtgcy agctattatt aactgctgca aggctagatc catgggattc agaggcgaca 240

caagaactga tgactccacg ccttggtttc tgcctaatat gttcgccgat ctgcctactt 300

ttaagcacgg gctttttctt gtcttccttg taactataat ataataatgt atattatata 360

caagacgata caaccctgcy ggtgttggtc atgttcctaa 400

<210> 24924

<211> 478

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G8

<400> 24924

gggcgagctg ctcagggaca tcgtcggcag cgcctactac atcgcgcccg aggtgctcaa 60

gaggaagtac ggcccggagg cgcacatctg gagcgctcggc gtcattgctct acatcttctt 120

cgccggcgctg cctaccttct gggcagagaa cgagaacggc atcttcaccg ccattcctgcy 180

agggcagctt gacctctaca gcgagccatg gccacacatc tcgcccgggag ccaaggatct 240

cgtcaagaag atgctcaaca tcaaccccaa ggagcggctc acggcggttc aggtcctcaa 300

tcacccatgg atcaaagaag acggagactc gcctgacacg ccccttgaca acgttggttct 360

cgacaggctc aagcagttca gggccatgaa ccagttcaag aaagcagcat tgaggatcat 420

agctgggtgc ctatccgaag aggagatcac agggctgaat gagatgttca agaacatt 478

<210> 24925
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G9

<400> 24925

gtcatcgggtt tctcctcaga catcgggttac gctctcgggtg acacgacgga agactgcaat 60
gtttacacgg ggaagcggct gcacgcggcc ttgttcttcg tgatgggatt ctggctgctg 120
gacttttcca acaacacggg gcagggcccc gcacgcgcgc tgatggcgga cctcgcaggc 180
agccacgggc ccagcacggc gaacgccatc ttcgtgtcgt ggatggcgat cgggaacatc 240
ctgggctact cgtcgggggtc caccgacaag tggcacacct gggtcccgtt cctgcagacg 300
agggcatgct gcgaggcgtg cgccaacctc aaggccgcct tcttggtgtc ggtggtgttc 360
ctgggcctgt ccacgggtggg gaccatgata ttcgcccgcg aggtgccgct ggacccggc 419

<210> 24926
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H1

<400> 24926

cggacgcgtg ggcgacgcg tgggtcaga ctgggcgtgc aagaaactag agagagtctg 60
ctgcgagaac ttagagttag tgctgaaggc agtgacctaa gacattttat acatggtgcc 120
gatttttact gcattttttt ctacattctt tttttgtgat ttgattatct aaacatgtga 180
attttcaggt cttcatattc ttctatctcc tagtttttta atattttttc tttgcttata 240
attgactgat tataaatggt tttattctct tctttgatta tttcctaatt atattctctc 300
gatctgttca actttttaac tacgggcttt ttctttgtct tccctgtaac tataatataa 360
taatgtatat tatatacaag acgattcaac ccttgccgtg ttggtcatgt tcct 414

<210> 24927
<211> 319
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H10

<400> 24927

cccacgcgtc cgccacgcg tacgcggacg cgtgggccgt gagatcgtgg agcagagctg 60
gacttttgac tagtgcataa ggatgctcgt cgtgcccgat aggggcacaa taagaaagcg 120
tgaaaaaaaa cacaccact ccttgtgttt ctggttcgac aggcttgctg aaacattgaa 180
gaaccccgat gatcggtttg tagtctgtcg tcatcgttct gcccgatca agagccccgg 240
ttgctcatgg tggcggctgt cgtaatgtag cggttgttga cctatcttct catgaattga 300
aaggatcctg actatgtac 319

<210> 24928

<211> 399

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-056-Q1-K1-H11

<400> 24928

ccacagaaac ttttctctcg gtccgttcga tcgatcgtg ccgtgtcgtt tgccagacac 60
catcagcacc taaaaccatg gctgcaacc tggctcagtg cgccaccgcc gccgcggcga 120
ccgtcgcgcc ccgcaccctt cgccctgctg cgtccgcgtc cgtctccttc tccgcgagga 180
agccggcggg cggcagcctg cggctgcagc ggcaggcgtg ctgcgagccg tcggtggcgc 240
cgtcgcgggc ggtgttcgcc tgccgggccg cggcgtcggg gagcgcggcc gacctggcct 300
ncgggggcag gaggtcgctc ggctgcccg tgttcgtcat gatgccgctg gacaccgtca 360
aagagtgcgg caccgcgctg caccggcgca aggcggtgc 399

<210> 24929

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H12

<400> 24929

tccgggacat gcgcgcgcgc gcgccgttgt acatttgaat ggtggcaact cgcaggccat 60
gggccacgag gagaaagtat gcgtgcagaa ggaggtgaag gaagacatta attaggtggg 120

ggtgattgta cctgtttttt tttttgcctt cttcttttggg gatttggtga tagaaacaag 180
 tggtttttca agta 194

<210> 24930
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H2

<400> 24930

cggacgcgtg ggctgacgcg tgggcggacg cgtgggcgga cgcgtggggg cgggcgttac 60
 aagcaaatca agcgaacaga aggtgtctcg agcactgaca tagttgggag gatattgcta 120
 acattcaggc agaaagatgc tggcactgat ttaagtgttg tcattgctga gaagtctgga 180
 gagaaatcaa atgatgaagt gaaaagcttg gtctctcatt ttgttcatag ataagagatc 240
 ttgcaagat gatgttcttc attaatctca atgtgcgttt tacagcgttt ctatgtctta 300
 attacccatg gatcaaaaat actgagactc tcctgacact ccccttgaca acgttggtct 360
 cgacaggctc aagcagttta gggccatgaa ccagttcaag aaagcagcat tgatgatcat 420
 agctgggtg 429

<210> 24931
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-H3

<400> 24931

ctgtctgctg ttctcgcacc atctacaaag agcgagaaga aagtaaggag catcttagag 60
 gagctctgcg gcaatgccca tagtatattat tggatccgaa gacgacgtag gcgtcgccgg 120
 tctgggaggt gaaacagagg cgcaccctta cgtctccttc accataaatt ttgtctgaga 180
 ccggcatgtt cctggccgtc tgcggcccag gcaacatttc gagcagaact gccataaatt 240
 ctttgttgat ttgtcggttc atgtgctcct gtaattcaca tcacagagag accagccgat 300
 caataatgta gtttctgagg acatgtttcc ctgcagtatt gcaccttggg agcgattgt 360

aaatggcctg gaacagttgt ctactggatt tgtntattta tttacaataa aagccatgtg 420
 aaaataagt 429

<210> 24932
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H4

<400> 24932

cagatcgcg cggaggccgg cgcgtacg cgggtggctca tcccgtcgct ggccgcctac 60
 gtgccgctgc agtgccacgt tcgcttcctg cagacgcaga gcgtggctcct gcccggtggcg 120
 gccagctgcg gcgccacggc gctctgccac gtgctgggtgt gctggggcgct ggtgtacaag 180
 gccggcatgg gcagcaaggg cgccgcgctc agcaacggcg tctcctacgc cgtcaacctc 240
 gtggtactgg cgctgtacgt gaggctgtcg ggcgcgtgca tggagacatg gaaaggcttc 300
 tcgcgggagg cgtttaagga cctgtggcga ttcgccgagc tcgcctggcc ggccgacatg 360
 atgatctgct tggagtgggtg gtcgtttg 388

<210> 24933
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H5

<400> 24933

cggagtcggc gtgcctagct cgatcttgaa ccatagctag ccagcatggc gccagcagc 60
 agcatagcag tactgctgct cctcgtcgtc gccgtcgctc tctccaacgt cccctcctcg 120
 ggcgccctgg cctcctcgtc gtcgtctctg ctgcaccagt cgtctccgtc tgagagttag 180
 actgagaccg acagtagcag cggagaatct tcgctgctcg cgtcgctcgga ggaggaggaa 240
 ggccggcgag aaggagaagg agaaggagca ggagatggag aaggcggtcg cggcgagaa 300
 ggctgccag caggagctgc tcaagtacgc caaggagaag ggcacgtgtg taccgaccaa 360
 cggcacgggg tggtagaagg gcatcgcccg ggagttcgtg gacgcccaca acgagctccg 420
 cgcgcgctac ggcgtgcc 438

<210> 24934
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H6

<400> 24934

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtggggg cgggcgttac 60
 aagcaaatca agcgaacaga aggtgtctcg agcactgaca tagttgggag gatattgcta 120
 acattcaggc agaaagatgc tggcactgat ttaagtgttg tcattgctga gaagtctgga 180
 gagaaatcaa atgatgaagt gaaaagtcag ctatctcatt tccttccaac ttctcgccgg 240
 atcatgcagt tttcaaatgg gcaggctcct tcgccagggtg ctctgtgtgt ctatgtagat 300
 ggcacatttg atcttttcca cgctggccat gttgagttcc tcaggagtgc cagacaactt 360
 ggtgactttc ttcttgctcg tatctatgac gacgagtcta tcacggatag aagaggctgt 420
 cgggtctataa tgcattctca tgagcgtact c 451

<210> 24935
 <211> 461
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-G3

<400> 24935

cggacgcgtg ggcggacgcg tgggggcaag ggcgcaacca ataatagcaa gtgtgatcat 60
 ccgttgatcc atgttgctaa taaccctgcg tgccttctgt tctcgtctcg atccccgacga 120
 cgctcccttc ggctccggca aaccacatca agtcgcgatg gagatgaaga aggtcgccctg 180
 cgcggtcctc gccgcgcgcg cctccgccac cgtggctcctc gccgccgagg ccccggcgcc 240
 cgcgcccacc agcgctcctt cggtgcggtt cccggccgtc ggcgccgtgc tgagcgctc 300
 cgtgctctcc ttcttcgcct actacctgca gtaaaattaa aggaggatcg gagggagagg 360
 ctgctggctg ccattgcctg tattcgngtg gatcccgnta tatatatata tatatatnta 420
 agtactntaa tttgggtctg aacatgtcga ttgatccatt c 461

<210> 24936
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-F10

 <400> 24936

 aatagttcta tctcaccgta acaactgctc attacatcct ttatgagagg ctgatcgatt 60
 ggtagatacg tactcgggtg gagcagagca acgagagaca tggcgacgac gacgcgtggt 120
 gccgccgacg acaccggcgt gctgctggtc ctgtcggcgt tggcgaccct ggcgcggggc 180
 gaggacccgt acctgttctt cgagtggaag gtgacgtacg ggaccaagtc cctgctgggc 240
 gtgccccaga aggtcatcct catcaacggc gagttccccg gccccaggat caactgctac 300
 tccaacaaca acatcgtggg caacgtcttc aaccagctcg accatccgct ccttttcacc 360
 tggaacggga tgcagcacag gaagaactcg tggatggacg ggatgccagg cacgc 415

<210> 24937
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-F11

 <400> 24937

 aaaaaggcaa caatcaaatt gggaaacctg gcttggcttt aactgacat gttggtaatg 60
 acaaatcatc agaccagatc tggcattctt ggccaatggg tttgtatggc actctcctat 120
 ctagcaagaa ggatgttcat atggctcgaga cagcatctat ataaaagggtg tggctgggtg 180
 aaaatggata attcaaagga aatggaagaa aactggctct agtttagaac cggtgtaaat 240
 gcaggaggaa gtctgactaa tactattatt ctgttcattg tacacatgta ccattgtacc 300
 gaacgcagag aaatgcagcg c 321

<210> 24938
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-F12

 <400> 24938

cgattaatta ttatatatat atgcatgcta tctactatga tgcgacgctt ctcgaccttc 60
 ttgcatcgat ctgcatgcat attataattt atattatatt gatgccacgc cgcgcatgcagg 120
 tctttccaag gcgtacgtac tatatcaaat tattttaatt tccttacatg tatatgtatg 180
 tgctgctggt ggatacgtac gtatatatat atgttctagg gttttctcat ccagaaaagt 240
 tggataggaa agaaacagca cctcggaaga aacttgagac aaattgggtg caaagtgtta 300
 ctgggcagcc aagaactcaa gaaccaagct gtcggttatc acttaacgag aaattttcta 360
 attgggattc tcctactttc cgttcaaaga gtactactgg actaactgat aaatcgagtt 420
 gcaccatggt gcataaggat aaatctt 447

<210> 24939
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-056-Q1-K1-F2
 <400> 24939

cccacgcgtc cgcggactcg tggcgggacg cgtggaccaa ttactataat ctgggttaatt 60
 atttctcaga aatggcttca tacaacagggt gaaaaagttt atgcgtgttc taaacatcaa 120
 gtatccacct accaaatgaa tatttcatgg tccttggtca tctagcactt acgtggcacc 180
 agtagtatac agatgggtca tacttctgtc ctactggatg cacatggtgt tcctgatact 240
 caaggggttg gtgacgcctt ggaacatcct catctacatc ttggagtacg attccctata 300
 cattactcat gtaccacgat cactaaactg gacatgaagt ctatggaaca cgatagctcg 360
 acacatggtg ctcggacttg ttatagaaac tgttc 395

<210> 24940
 <211> 276
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-056-Q1-K1-F3
 <400> 24940

cacacgccac gcagcgcacg cgaccacaaa attacacgcg cggtttagagg atggcgatga 60
 agcgtccact tgggcaattg accccaccag cgaccgctgc tgcttcgttt ctagctcgag 120

agagtttaga gggctgcttg attccgaagc tccgagctcg agggattgaa ttgagcccc 180
ccaagatcag aatctggagc aacgggattt ggcttcccgc ttggtgcccc tgattggagt 240
acgcttcttt tagggcggat gagaagctgc tccgct 276

<210> 24941
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F4

<400> 24941

cccacgcgtc cgctcccttc gtcaccatca catccagcca gccacaacaaa atgtcgcgcg 60
tcacagctgc ggtgctcttc tacatcctcg ccgttgctgc cctcagcgcg gccgaggccc 120
cggcagagtc accgaaggaa ggcagtgtcg ccaaggcacc tgagtctgcc aagagaactg 180
ctgccccgcg tgaagcacc gaagccgcgt ccacccccgt cgccgcgcgt gccccatcgc 240
cgtcgtctag gaagtctggt ccagctaccg cgccagccac cgctctaca ccccttctt 300
ccacggacga ggagttgagc ccttccccgc cagcatccac cgccgcggcg tccctgchg 360
ctgatggacc ggctgctgat gactccgcgc gtgctgctgc ccttgaagt ggag 414

<210> 24942
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F5

<400> 24942

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgttcgcc cagcgtccg 60
tgcacgcgtc cgcccacgcg tccgcccacg cgtccgagca aacctgcagt catctctcc 120
accaccacca ccaagctcaa caacagccag ctgcgaaaa taatgaagag ccgcagcatg 180
gcatcatcgg ccgcgtctt ggtgctagcc ctgcgctag tggcgccac cgcccacag 240
gtagcggagg caaagaagac gagagcggcg gagagcggcg aggcggcgga tgcgaagaag 300
atccaggacg acttctgctc gacgctgtgc gagggcaaga aggggacgga cctggctcgtg 360
tgcaaggagt cctgcgctct ttccagcagt ccaacctgtg ctgtacggag gatccatgca 420

agggcagtgc accgagcaga ag

442

<210> 24943

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F6

<400> 24943

aatagttcta tctcaccgca acaactcctc attacatcct ttatgagagg ctgatcgatt 60
ggtagatacg tactcgggtg gagcagagca acgagagaca tggcgacgac gacgcgtggt 120
gccgcgcgcg ccaccggcgt gctgctggtc ctgtcggcgt tggcgaccct ggcgcggggc 180
gaggaccctg acctgttctt cgagtggaag gtgacgtacg ggaccaagtc cctgctgggc 240
gtgccccaga aggtcatcct catcaacggc gagttccccg gccccaggat caactgctcc 300
tccaacaaca acatcgtcgt caacgtcttc aaccagctcg accatccgct ccttttcacc 360
tggaacggga tgcagcacag gaagaactcg tggatggacg ggatgccagg cacgcattgt 420
cogatcctgc ctaacaccaa ctttacgtac aagtg 455

<210> 24944

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F8

<400> 24944

ggcgactgct acgtcgccag gagcggcatg ttcattgctg cgatggccct ggtcctggtc 60
acggaactga tcagcctcgg cctcaacttg gcgaccgaat aggacgcggt ggccctggggc 120
acaacgctca gactagttag aggcgatgag cgcgatgata cgtgcgtacg cggagctggc 180
gtacgctgta caactggact ggcatccaa tcactacggc acgcacgctg gcatgctggc 240
agatgcaggg gagaagcgca gcgcggacca acaggaggct gctgataagc ggaagggata 300
gtgcgtgatg cataaggaca cgaccgcgta cacaaccgta agtagtaggc gttgagcgaa 360
ctgaagtggc tggacgaacg agcacagatt gattatcgaa tttatgccgg tacgttagat 420
ctgctgcagt cgt 433

<210> 24945
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F9

<400> 24945

```

gggcggcgag ggaagggctc cgcgtcgtgt cccttctctt cctcctcctc tctccaacac   60
cccatccatc agcgctgccc tccgcattgc tcttgatacc atccagtaca tcgattctcc   120
ccccaagatc aaaggccgga gaaggaggaa gaaaggttag ggagtcggct atgggatgct   180
tttcatgctg ctgtgtggca gatgacgaca acgttggcag gaggaagaag catgacgac   240
cctatgttcc tatccctgct catgtttata attttggacc tagccgggtc ccagcccca   300
cccctgtcat ctccactggc agagctcagc caattgcagt accggccatt catctggaag   360
agctgaagga aattacaaaa aacttcagca gtgatgcct cattggcgag ggctcgtatg   420
ccagagtcta ttttggtgtg ctg                                           443
  
```

<210> 24946
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G1

<400> 24946

```

cccacgcgtc cggtagccgt tgagacttgg gaggcaggcg acatgggtgg cggaaggac   60
gacggccacg atccctcgaa ggcggacaag ggattccacg gaggagggtta cccggccgcc   120
gccggtggat actacggcgg ccagtacccc ggcggcggct accctgctcc accgggcggc   180
ggtgcgtacc ctcccggccc tgggtacccg gtaccacctg gtgggtaccc gcctccgggt   240
ggctaccctc agcctggcgg ataccgcggc tcgcacgggg cgtaccgggc gccgggtgca   300
ggcgcgtatc ctcccagcgg gtacccccat caaccggtct acccacagcc tggctatcca   360
tcgatgcccg gtcattggtg catgtacgga agaggccacg gtgcatgggg ctctgcaagc   420
cacggtgcga tgc                                           433
  
```


<210> 24947
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-G10

 <400> 24947

 cccacgcgtc cgcgggacgcg tgggggagat atgccgccac gcacgaggaa aatcgcgcggt 60
 aagtccactg gaccgattgg tgtacctcgg caccagctgg ctccgagaca tgaggagagc 120
 agcagcggca gtaatgaccc cattggagac ctagaagccc aggtggagca acttcgaatg 180
 gagctacgtc atagaaacta ggtgtgggta gaagatggtc agcgtataaa tgagttaaga 240
 gctgacatct gccatttgca agacgagctt gttgaacggg atttggcaat cgattcggct 300
 atcaactcat gttccattgc ttgggatcga gaagccaaag ctcgagcccg tgtggaggag 360
 cttagcacgg tcgtcgacaa cttgcagggtg tactgcaata cattacatga agaagttcat 420
 g 421

<210> 24948
 <211> 411
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-G11

 <400> 24948

 actgccacgc attccgaatg acgagtctgc accatatctt gacgctggcg agaattgtag 60
 agcgaatctg actgagttca agatgaacgt tagctaacgt gtgctccagg ctcaggaaat 120
 gctatcaaag aagaacatgt cccagttgaa tgagtatgcc atcggcgtgc tggaaatcctc 180
 atccaattat ctcatgccat cattctattg ctaccccta gatatggaca tcaacctgtg 240
 tcaactgatat agcacggatg ggcctcacta gacactactt tcgacaggag ctaatcctat 300
 aaattcgaaa gtgctgaatc tcatgtaatg atcaagctgt cgaatgtgaa ctacatgctg 360
 cctgctactc aaaagatgtc ctgcataacc acatgttctg ctacctgcaa c 411

<210> 24949
 <211> 416
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-056-Q1-K1-G12

<400> 24949

gccgcggcgg ggcgagacgg cggcgggtccc cattgacgtg gcgtccgccg gcggcgggcg 60
aggcgatgag cggcccaaga gagagcgcca ccggagtcac ggccccggcc gccacggtcc 120
gcaccggagt cgcgcgcgc cccgcgcgc gccggcggttc cggccggttc ggcggtggtt 180
cccgttcctt gtgccgtat tcatcgtcgc caacatcgtc ctcttcgtgc tcaccatgta 240
cgtcaacgac tgccccgcgc acgcgcgggc caccggcgcc gcgataggcg gatcggtcgg 300
cgagagcgcc accgcgcagg gctgctggct cgcgcccagag ctcgggaggt tcgcgttcca 360
gtcgttcaag gagaaccgc tcatcgcccc ttctccgnc acgcttggtg gaaatg 416

<210> 24950
<211> 465
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G2

<400> 24950

gtggcgactt cgtgaagtcg ctgctctctc ccctgtcaac gctgctggtt gctgggctcg 60
tcgtccttga cggtgaaaag tgggtcaaac atcgaaggat tctgaatccg gcattccacg 120
cggagaagct gaagggaatg ctgccggcat tcttagcatg ttgcaacgaa ctggttgaca 180
gatgggagaa acagatctct gttccgctg aaccaactga gctggatgtc tggccagagt 240
tccaaaactt atcgggagat gtgatttcaa gagctgcatt cggtgtagc tatgaagaag 300
gcagaagaat tttcctactt caggcggagc aagctgaacg ccttggttcaa tctttcaaga 360
caaattacat ccctggcttc tctctcctgc caacagaaaa caacagaagg atgaatgaaa 420
tcgacaggga ggtgaagacg gtcctgaggg gcataataga gaaga 465

<210> 24951
<211> 381
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F1

<400> 24951

cacaaaccac gcagcggagg cgaccacaaa aaaacacgcg cggcaggagg aaggcgagga 60

agcatcccct tggtcaattg accccaccac cgcccgcctgc tgcttcgttt ctagctcgag 120

agagttagt ggggtgcttg attccgaagc tccgagctcg tgggattgaa ttgagcccc 180

ccaagatcag aattggagca gcgggttttg gtttctctgct tggtgccgct gattggagta 240

cgcttctttt gtgggtggtg agaggctgct cggttccgc cgaccatgtc cgtgccggcg 300

atagccgtgt acaccagccc gcccggcgcc gtctacgcgc cgccggagct cgagtccagc 360

tgcgcggct cggcgccgtg c 381

<210> 24952

<211> 92

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D7

<400> 24952

attcaaagtc tagtagaatt gtgcgctgga ggtgtcgacg gcgttaggtc ggcgaatgca 60

cgggatgatt tcttggtcgc atgacctatt tg 92

<210> 24953

<211> 475

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D8

<400> 24953

cccacgcgtc cgcggacgcg tgggcggccg agaccttctt cgacatcgag atcgacggca 60

agcctgcagg ccggatcgtg ctgggactgt ttggggacac cgttcctaaa actgcagaga 120

acttccgagc actttgcaca ggggagaaag gaattgccaa gtccggcaag cctctgtggt 180

acaaggggtc gacgttccac aggatcatcc cggggttcat gatccaggga ggcgacttca 240

ccaacggcaa cggcacgggg ggcgagtcca tctacggcag caccatcttc tccgacgaga 300

acttcaagca caccacgcgt aaagccggta cgctgtccat ggctaactac gggcccgcact 360

ccaatggctc ccagttcttc atcaccaccg tagacgaaaa ccggttgccc aagaagctgg 420

acgggcgcca cgtggtgttc ggcaaggtgg tgaaagggat ggacgtcgtg cgcaa 475

<210> 24954

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D9

<400> 24954

gtcatctgca acgtgccgga gttccgcaac accacagtca accacgacct gcatttcatt 60

tcctgggaca acccaccgaa gcagcaccct cactacctca cgctcgccga cttcgacggc 120

atggttaaca gcaacgcgcc ctttgcaagg aagttcggga gagaagacct cgtgctggac 180

aagatcgacc aggagctact gggccgcccg cctgatgggt ttgtgcccgg cggatggacg 240

tacctactga atgcgacgac tgaggaaggg agacccttcg ccgttgagcg cgtgcaggat 300

ctccgcccag ggctgtgtgt ggacagattg aagaaactcg tcacgggctt gctcacacaa 360

gaaggctttg atgacaagca ctgcttgtga gactgcccc cagtaagatg attctggctg 420

ggggcggtag attacacggt cagatctt 448

<210> 24955

<211> 482

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-E1

<400> 24955

gccagcccaa gccatgaacg ccgccagcac cgtcgccgcg gccccgcgc ctgccgcgac 60

cgtgcagggtg ccgcgcgggc aggtggatct gatcgacttc atcgactgga ccggcgtcga 120

gtgcctcaac caggactcgt cccacagcat cgtcaacgcg ctcaagcaga gtttgagaga 180

cgacgagggg ctgtacctcg ccagcgattc ggacgagcag ctgctgatct acatcccctt 240

catgcaggta gtcaaactgc attccgcgct attcaaaggt cccgaggaag agggcccaa 300

aacagtaaaa ctcttctcca acaaagagca tatgggtttc agcaatgtca atgactatcc 360

accaagtgac accctcgagc tatcatccga tcatttgata gagaataaac ttttgccact 420

aaagtatgtc aagtttcaaa atgttcgcag tctgactata tttattgagg acaaccaaag 480

<210> 24956
 <211> 420
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-E10

 <400> 24956

cggacgcgtg ggagaaaaag gagagcgccg tttgtgatag agataatgcg gtggtggtgc 60
 tcatggatgg atgaatgggg gtgtcaggct atgcgcggat gacgtcctca tcggagcaaa 120
 ccccttcacc gttggttgcc tcgtgccgtg gcctgggaag tcgatgactg ctcatcatgg 180
 taggaggccc cgaccgaccg tgcaaccgtg tgccgacgct gtggctgtgc gccaatgaaa 240
 tcacgagcga ggtcacgagt catctgaaga gcaagttggt acctggaatc tcaagtgcc 300
 ggtcaagaac aggtaccaca ggatgaggcg cttggaggat gctgtgatga gttcgtgagt 360
 ggtctangcc ggcgtcttcc atcaactttg ggttgetgga ccattgtctt cttataatgt 420

<210> 24957
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-E12

 <400> 24957

cccacgcgtc cgcccacgcg tccgcccacg cgttcgccca cgcgcccgcc cacgcgttcg 60
 cccacgcgtc cgcccacgcg tccgctaaaa agaaggtag attagggagc ccagcggctc 120
 aatggatttc agtttataat gctaggcgac ccatgaagca gaggtaccat tacaatgtgg 180
 ctgactcaag gctaagtcaa catatagaaa agggtaatga tgacgggctt tacgttagtt 240
 gtgtggcttc ctgggcaaac ctttgggcac tcatcatgga cgctggaact ggtttctgtt 300
 ctcaagttaa cgagctctca ccagtttttc tccacaagga ctggataatg gagcagtggg 360
 agaaaagtta ctacataaca gcaattgctg gatcaaccaa tgggagttca ttggttgct 420
 tgttcaaagg aac 433

<210> 24958
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-E2

<400> 24958

```
gttccaaagg gaagggagca cgcgcgcgcg aggtagagca gcggcggcgg cggcaggagt   60
gaggcaggat gtcttcggta tacgtgcttg agcccccgac gaaggggaag gtggtggtgc  120
agacgacggc cggccccgctc gatatcgagc tgtggcccaa ggaggcccc aaggcggcgc  180
gcaacttcgt gcagctctgc ctcgagggtt actacgacgg caccctcttc caccgcgtca  240
tcaagaatth cctcgttcag ggtggcgacc ccactggctc cggcactggg ggtgagagca  300
tctatggggc tccatttgcg gatgagttcc actcgcggtt gaggtttaac cacaggggtt  360
tagtggcttg tgccaatgct ggtacatctc attctaattg gagccaattc tttatcacc  420
ttgaccgttg tgattggctt gattagaaga cacca                               455
```

<210> 24959
 <211> 475
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-E3

<400> 24959

```
gattgttttg tgaagacgct caagaatgat ggcccttttg cattttacaa aggcttcctg   60
ccaaactttg caagactggg atcttggaat gtgattatgt tcttgacatt ggagcagggtt  120
caaaagctgt ttgtgaggaa agcgacaagc tgatgataga gtttttgagc tcagggtggcg  180
tacaattgac gcacaggggtt tttcttctat agacaaaagg ggagaaatga cacctcccc  240
ctcgagaatt ggggaacaag gacagatctg acacctcaat tgcgagaaat aaaaataaca  300
gccgacagtt gcatgatccc tgaacgaata aattcagaac tagaaaacag atgtcagtaa  360
acaacatgtg gtgaatgttg gaacttgaac tgctctagtt cagtgggcat ctgttgatgc  420
atgcttgggg tggatntaat gtttcgtant ttttctttct tgtactgaaa tgctc       475
```

<210> 24960

<211> 462
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-E4

<400> 24960

```

cggacgcgtg gggtcctca tgcgcgcgat ggagatcgcg gccgactccc tctacaaagc   60
caagcttatc cgtgggttct gccacctcta cgacggccag gaggccgtcg ccgtcggcat  120
ggaggccgcc atcacccgct ccgattccat catcacgcc taccgcgacc actgtacctt  180
cctcgcccgcc ggaggggacc tcgtctccgc cttctccgag ctgatgggcc gcgaggctgg  240
gtgctcccgcc gggaaggcg gatccatgca tttctacaag aaggacgcca atttctacgg  300
tgggcacggc atcgtaggcy ctcaggtgcc cctcggatgc ggctggcct tcgctcaaaa  360
gtacaagaag gaggacacgg ncacgttcgc gctctatggt gacggtgcgg ctaaccaggg  420
acagctcttt gaggctctca acatttcggc cctctggaag ct                        462
  
```

<210> 24961
 <211> 474
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-E5

<400> 24961

```

cccaccctca tttgacgctg atgataaaaa ggccctcgcg gtcgcaccac atacaggcaa   60
ccagcctctt gatcacttga tcctcctgca caccagagta ccagacacca ctgcgcatca  120
gtgcaaagag gtagctaccc tatctgccat ggctcaagag ctccacgaaa cgtcctcttg  180
ctctgccacc accacctcgt cgtgcaccac atcctgctgc tcgtccactg tcacagactc  240
gtcctcttcg ccccgctcac cggcggcgcc caatgccgcg cccgcgacac ggaagcggca  300
ggcgttggag gccgaggccg aggccgaggc gggcggtgag gaagaggagg aggaggagga  360
aggctgtgct ggtaataagg cggcgccggc caagaagcga ccgcggtgca gcgaggggaa  420
gcaccgcagc ttccgcggcg tgcggatgcc ggcgttgngc aaagtgggtg cgga      474
  
```

<210> 24962

<211> 476
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-E6

 <400> 24962

 ggccgctgga gcacaatacc cgcgggcgagc ctgactccat cgtcgcgctg gccaaatgga 60
 ggatcctcaa cagggtgcac gaccggaacg agacattgta ctacaggggtg ctaattgaca 120
 atatcaagga ttttgccccg ataataataca ctcccactgt tggcttggtc tgtgaaaatt 180
 acagcgggtct gttcagacga ccccggtggga tgtatttcag tgcaaaggat aagggggaga 240
 tgatgtcaat gatttacaac tggccagcag agaaggttga catgatagtt gtgactgatg 300
 ggagtcgcat tctaggctta ggtgaccttg gtgttcaggg cataggtata cctatttgga 360
 aactggatgt ttatgttgca gctgctggta ttaaccaca gaaggttctt ccaataatgc 420
 ttgatgtggg aacaaataat gaaaagcttc tggaggacaa gctatattta agactg 476

<210> 24963
 <211> 385
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-E7

 <400> 24963

 gttgaccttg tcaggaaagc tatgcccctt gtactgacac ctgagaacga tccggggaag 60
 gatgagctca agcagctcca ggtgcagctg gaaaacatca acaagctggc acacaagcag 120
 gtccggcgca tcctctgggtc tggctctgggt ttcttgatca ccaggtggg cctcttcttc 180
 aggetcacgt tttgggagtt ctctgtgggac gtgatggagc ccatcacggt cttcacgacc 240
 actacaggcc tggtcgctgg atacgcatac tttctcatga cgtcaaggga cccaacctac 300
 cgagacttca tggagaggat gttcgagtct cggcagagga agctgatcca gatgcagaac 360
 ttcaacttgg acaagtacct tgagc 385

<210> 24964
 <211> 475
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-E8

<400> 24964

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcgatg acatcctaca gggagctctc 60
gaagaaagca cagaaagcga acaacatctg gtggaggctg agcggactgc tgggtgaccg 120
gaaccggcag gtcattgtaca tactgctcca ggcgctgttc acagtggcaa caatggcact 180
gaccgtacct atattcctgt cctaccggat gcacgtgggtg ttcttgatac tcaagggtgtg 240
cgcgctcgaca tggaacgggtg gcagcttcat cttggagggtg atgcctcggc aagtagtgca 300
gaagcagctg aagaaactgg acatgaagcc tatggaacag gggagctcga cacatgggtgc 360
gccagggtgt gatggtggca cattgtgtaa ccaccaccag cacacatccg aggagcatat 420
ccaggagtga ggaaattgaa gctggatgta agattagatt ttgatgatca ctgac 475

<210> 24965

<211> 309

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-E9

<400> 24965

aaaaaacata acagcacaat ggaaaggctc cttataatga tcacaatatg aaaaaacata 60
aagggggaca tgaatgctag cttctggagc caaaagtcaa ggcaataatc agaaagattg 120
tacatcctat actgaaacac taaagggtg cccattttac ataccaaga tgaccctccc 180
ctgacgtgaa agatgcattt ctgtcttttag tggccctaaa attaaattag ctggcctaga 240
ttttaacagt attattccgg gaaaaccca gggtttacta agctaattggc ctttatagaa 300
aatcccttt 309

<210> 24966

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D6

<400> 24966

cccacgcgtc cgcccacgcg tccgaaagaa gtcgcctaatt tttttcgatc gaattaggcg 60

ccttcttcgt cccacgctcc gtctttatct gtaatctgaa gcttacagga acatttgagt 120
 ggatcatgga cggattggta ggcctcttga aagtccgggt ggtgaggggc atcaaccttg 180
 cctaccgcga cgcaagaggc agcgatccgt atgtcgtcct acgacttggc aagaagaaac 240
 ttaagacgag cgtgaagaag agatctgtga accccatctg gcacgaggag ctaactctga 300
 tcgtcacaga tcccagccta gctctgaagc tggaggtggt cgacaaggac acgttcagca 360
 gggacgaccc gatgggggac gcggagatcg acgtggcgcc gctgggtggag gcggcgaacg 420
 cgagcccgga 430

<210> 24967
 <211> 450
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-C3

<400> 24967
 cccacgcgtc cgcgctcggc ttccccggtt cttgagaggg gaaagaggag gcggaggaga 60
 gggatgggga gggacgagag gttcccagtg tgggaggccg cgctcggcgc tggggtcgcc 120
 gccgccttcg ccgctgggct cgctgggggt tacctttcca tgccggactc cgactacagc 180
 ttctcaagc tgccacgtaa tctccaggaa ctccaaatcc tcaactggcca tcttgagaac 240
 tatactagcg actacaccct acaggtgttg gtaggctact gcgccgtgta catcttcacg 300
 cagaccttca tgatcccagg gacaatattc atgtcactgc ttgctgggtgc tctgtttggg 360
 cagctccggn gcgttgccct ggtagtcttc gccgccactg ctggcgcttc ttcgtgctat 420
 ntctgtcga agatgattgg gaagccactg 450

<210> 24968
 <211> 452
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-C4

<400> 24968
 ggcaactccc cggcctccgt catcgtgctc gccgacaaca gcttcggcgg atgcctcccg 60

gccagcctcg gcaacatgtc cggcacgctc aacgagatcc tctcatcaa caacggcctc 120
gactcctgcg tcccgccgga ggtcggcttg ctccgggagg tgaccgtctt cgacgtcagc 180
ttcaactcgc tcgtcggccc gctgccgag cagggtggccg ggatgcgcaa ggtggagcag 240
ctggacgtcg cgcacaaccg cctgtccggg gccgtcccgg aggccatctg cgcctctccg 300
cggctcaaga acctgaccat ctctacaac ttcttcaccg gcgagccgnc gtcctgcgcg 360
cgcgtcgtgc ctccggacgg tgacaggagg aactgcctgc ccaaaccgcc cacacagcgc 420
acgccgcagc agtgcgccgc gttctactcg ca 452

<210> 24969

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C5

<400> 24969

cccacgcgtc cgcgttcgac tcggactcgg actcggagtc cagcaataag ccggcgaaca 60
agtcgggggc gtcgtcgtac caggcccccg ccgacgcca gaagcggtag aaggacgggt 120
tccgggactc gggcgggctg gagaaccagt cgggtgcagga gctggagcac tacgcggcgt 180
acaaggccga ggagacgacg gacgcgctcg ccggctgcct gcgcatcgcc gaggacatca 240
ggcaggacgc cagcgacacg ctgatcacgc tgcacaagca gggggagcag atcagccgga 300
cgcacgagaa ggccgtcgag atcgaccagg acctcgccaa gagcgagacc cttctcggga 360
gcctcggagg cttcttctcc aagacgtgga agcccaagaa gacgaggcag atcaaggagc 420
cagcgcacgt gtcacgagat gactccttca agaag 455

<210> 24970

<211> 461

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C6

<400> 24970

ggaatccttt cagcccgcca ctctcccctt ttctcttctc tcttcgtcgt tgtggctcct 60
gccttcctgc ctccggcgat cgactcgagg agaggagacg cacagcgcc cctccccatc 120

ctttctccat tcccagatcg aaggtccata aaaaaccatc cttttgcatc tgattgagca 180
ctgtctttgt gcaagagaac aatttagttg tacatacaaa caaaaagaag tgggagtatt 240
tttcagagtt tattagaaga gactgtttcg aggacccagg tcagagaaag gcgagaagct 300
ttagcagcgg caatggctcg gtcaatggac ccgcaggtga ccgtccacgg cgactgggtg 360
tcagccgtgg tgccgctgat gaagctgctg tgcctggcgg tgatcggcct gtcctcggc 420
aaccggcgg tccaggtcgt gccagggcc accttcaagc t 461

<210> 24971

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C7

<400> 24971

cgcggtttcg gggcctcccg gaaaggcagc aaggggcggc ttgggagtgt tagtgattac 60
tgcgtacacc actgtgtatg tcctgttggtg gttgttcgct accctgatga tgctgcagat 120
gccggtggag atgcatcagg ggtgacagat gagttgcaca ctgtaccaga ggacgaacct 180
gtttatcacg atgcacctga ggtgcagaaa gaaaactgag gcaacggcca catgcggctg 240
aagaacgaag gaaaacatga ggcttgtagt gaggcaatcc tgtgtatctg gaagatggga 300
ccggctgttt atctttgctt ctatatatca actgcgtatc atgatcagct gtctgcttcc 360
cgttgagttt catatcagag tcgtagatca tctgagtttt ttgggtggtt gcttgtgaga 420
tgtagagtac tcttcccgtg ggtcgaaggt gtcttgcaaa tgcttgaact ttat 474

<210> 24972

<211> 478

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C8

<400> 24972

gtacctctgt tatatggcta tgtatctcat ctttgtggag tttggaattt actggatgca 60
cagggagttg catgacataa aaccattata caaatatctg catgcaaccc accatattta 120
caacaaggag aataccttgt ctccatttgc tggacttgca tttcatccac tggatgggat 180

tctgcaagca ataccacatg tgttcgcgct cttcctcttt ccaacgcact tcaggacaca 240
tattgcactc ttgttcctag aggctgtgtg gacaacaaac atccacgact gcattcatgg 300
caagatatgg ccagtcattg gtgctggata tcacaccatt caccatacga cttaccgtca 360
caactatggc cactacacca tctggatgga ctggatgttt ggtacgctca atgagccaga 420
agatatcctc aagaaggctt gagtttctcg gagctgtggt attcctatgg tgctgctg 478

<210> 24973

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D1

<400> 24973

catcgggtcaa agacaaaaga tgattgctgt gagcatcatg tggtcattag tgcaggtgca 60
ggtgctggcg gcgatggcac tagcatttct ggtaggcggt gcctggtgtg gtccctccaa 120
ggttcccccg ggtaagaaca tcacagccaa ctatggtagt gattggctag atgccaaggc 180
aacatggtat ggcaagccaa caggtgccgg cccggacgac aatggtggcg gatgtgggta 240
caaggacgtg aacaaggccc ctttcaacag catgggcgca tgtggcaacg tccccatctt 300
caaggatggt ctaggttgtg gatcctgctt cgagatcaag tgcgacaagc cagcggagtg 360
ctctggcaag cccgtggtgg tgtacattac agacatgaac tacgagccca ttgcggcgta 420
ccacttcgac ctagcatgca cggcggtcgg tgccat 456

<210> 24974

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D10

<400> 24974

gaaactatcg ccagcaaagg gagagcgccg aggtgataga gataatgcgg tgggtgtgct 60
catggttgga tgaatggggg tgtcgggcta tgcgcggttg acgtcctcat cggagcaaac 120
cccttcaccg ttggttgctt cgtgccgtgg cctgggaagt cgatgactgc tcatcatggt 180
aggaggcccc gaccgaccgt gcaaccgtgt gccgacgctg tggctgtgcg ccaatgaaat 240

cacgagcgag gtcacgagtc atctgaagag caagttggta cctggaatct caagtgccat 300
gtcaagaaca ggtaccacat gatgaggcgc ttggaggatg ctgtgatgag ttcgtgagtg 360
gtctatgccg tcgtctgcc a ctcaactttg gggttctgga ccgttgacta cttataatgt 420
aatcaattat tta 433

<210> 24975

<211> 267

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D12

<400> 24975

cagaataaaa aaaaaaaaaa aaaaaaaaaa attaaagaaa aaaaataaaa aaaaaaaaaa 60
aaagaaataa gaaaaataa aaaaataaaa aaacgtacat acaaacaaaa agaaaaaaaa 120
ataatggaac aaaaatataa ataacaaagg gtcgtgtaaa caatagggtta accaaactta 180
ataggctatc atcacacaac acttttgttg ataaaactcc ctatattaca ggcctttgcc 240
gattacgtat cggccccgtt tttgaaa 267

<210> 24976

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D2

<400> 24976

cacacgcgta cgacaacaca tgcgcgcact cttcctgaga tgattcaata cctacagctg 60
taagccaagc atgagctgat gcttgacaac aggcattggc cacggatcat atctatttct 120
gtacgaatgg aagacgcata ctgattagtt ccttcaggat cctattcggg gcatcagaga 180
taaaatgctg gtagagatcg caacatgtga tacacagtga ggattcagac gctgatgcc 240
attaactaga catagtgcct gctgcaaggc gccttgtacc cgaattcatg atgtaccctg 300
ctggaatagt gagccctttt tgaaagtgt ttttaagtatg aatgccacca cgactgacta 360
gtatttgtga atgatctttg tgtatctcac gacatacatg gactttcatg ttcttgcgat 420
ctaagaaagt actcataatt ttctagaaga tt 452

<210> 24977
 <211> 356
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-D3

 <400> 24977

 gccgtggtcc ctgtctttct ccttcggett cttggtgcag gcgagcacc tgaaggccca 60
 ggctctcaag gtggagaact tggagaatgc tagagctgcc ttctcttcca ggtgcaaggc 120
 caactctgag gctaccatca tcacctacaa cggtgatgct gacggcgaca ccgacagcct 180
 aaacgtcaag gactacacgt actgagctgc tcctctctgc atgcccgctt tggaactcct 240
 gactaccagc tacgttgccg actgtgggtt gctcgtcaga tcttatattc tgacattcaa 300
 aaaacatgct tcctatttgg gatgatgggt atatatatat tgcgactgta attatt 356

<210> 24978
 <211> 468
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-D4

 <400> 24978

 gaagttctgc tactacaaca actacaacat caagcagcca aggcatttct gcaagagctg 60
 tcagaggtac tggaccgcag gcggaagcat gagaaacatc cccgttggtg ctgggaggcg 120
 caagagcaag agctccagcg cgagttgccg cagcgtgttg attcccgttc caggcagcag 180
 tagtgtagct aatcctggcg gagaggcttc cctgtttccg ttgtccgtaa aagcaaacca 240
 agcagcagtt agcttcgggc ctgattcccc cctctgcacc tccatggcct ccgtgctgaa 300
 gatcggagga agaggagagc aggttaagag ctgcagccct gcctcagcag cagcacagcc 360
 caggaacgga gaaaccaga cccagacgtg cgcaccttct tctgctgcta caacaccatc 420
 agatggtcca gggaatggat tgcagaaagg agcagagagc gcacacca 468

<210> 24979
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D5

<400> 24979

gtgaaacatc cacaagatgt tctacctcct gcgcttggag cgtcaatgta tgccatcaca 60
tgcacccctt cattcgatgg ttgaccttct atggttccac ctaatgacct ttcagcaaac 120
cgaggttcag gccaggattt agcagaagct agcaagttct ctcagggaag aagagcgggt 180
tatattccac ctagtggttt tctgatgtcc ttgttagctg ataggacca taatccacct 240
tctttccaga actcatctaa ccatccagga ggtggttcag cgcatactcg gccatccagg 300
gctcctgttg gtaggtttga tcgatctcgg cgacctttcc gcaattctgg acctgggagt 360
tcagcaccac gttctttcaa aaggcagcgc gacgctccac ggtgagcaag gcat 414

<210> 24980

<211> 480

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C2

<400> 24980

cccacgcgtc cgcccacgcg tccgggagca cagagctagc tagccagcca gccagcagcc 60
agcttgctcg ccgcgcccgt ccttcttcct cgcctccgtt ccgttccgtt ccgtcccgcc 120
cgccgtcgcc gccgcattca gggatggaga tgaagaagat cgcttgcgcc gtccctcgctg 180
ccgcctcggc ggccaccgtg gcgctcgccg cggaggctcc ggctccgggc ccaccagcg 240
gctcctccgc cgtegcgccc gccgtcggcg ccgtcctcgg ggccgcccgc gcctccttct 300
tcgcctacta cattcagtga gccggccgcg gccggtcgcc cggaggccga ggaagagacg 360
aagcgggaga gagagtgaca tggctgcgcg cattccgatg cgtgggcatg tttctgattc 420
gacacacctt ttgttctctt tttctttgtt ccctctttct gcttaattta acgaattgat 480

<210> 24981

<211> 208

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B1

<400> 24981

gcaacaggaa gtagaactat agaacaagag gcttgaatga aatgtatgta tcagactcgc 60
cccgtttttt ttttgtccat gtactgcagt gcagcggact gagccgctgg cacagcatgc 120
ggtaataatc ttgtcacaat gacagtgcgtg taatcgggag cgtgtttctt gtaatcttgt 180
taggaagtgt ttctggtttt gtttgagc 208

<210> 24982
<211> 367
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-056-Q1-K1-B10
<400> 24982

tcgggtgaag ccggtggaca ttatcacccc caccgtggcc gcgcacatac aggccaccgt 60
ggcgtgcggg cgcaagcacg ggctgcgggt ccgcgtgcgg agcggcgggc acgactacta 120
gggcctgtcg taccgggtccg tcaagccgga gacgttcgcc gtggtggacc tgtccatgat 180
gcggcatgtg cgcacgcacg gctaggccgc cacggcttaa gtggacttca tggcgcagct 240
cgcccagctc tactactctc tggcgaagat gacccccagt ctcaggtttc ctgaggtcgt 300
gtgcgccacg atcggcgtct gaggccactt tagcgggcgc gtgtttcagc attgctgctg 360
cgcaagt 367

<210> 24983
<211> 445
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-056-Q1-K1-B11
<400> 24983

gcaactgaaa acagccgagc gatctcctct ccctctccct ctccgatcca ttctccagcg 60
cagcgaagta aacatgtctg accgggcaaa gatgtcgtgg caggcgtacg tggacgagca 120
cctgatgtgc gagatcgagg gccaccacct cgcgggcggc gccatcgtcg gccacgacgg 180
tgccgcctgg gcgcagagca cggcggtccc cgagttcaag accgaggaca tggccaacat 240
catgaaggac ttcgacgagc cagggcacct cgcgccgaca ggccgtgttc tcggacctac 300
caagtacatg gtcacccaag gcgagcctgg tgccgtcatc cgtggcaaga agggatcagg 360

aggcatcacc gtgaagaaga cagggcaggc actcgtcgtt ggcattctacg acgagccgat 420
gacgcctggg cagtgaaca tggtg 445

<210> 24984
<211> 318
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B12

<400> 24984

gttctagatg cgagcgccgc cctttttttt tttttttttt cttatagaca aattggatgt 60
ctgctagact agatcgctg tctatatata gatatagata caatctgctt gaacgatcgc 120
cctcaaaact ggatcaacaa acttaaaata caacaataa taataggag gaagatcctc 180
tccgtctgcg tacacagcac ggccatcacc tagtactaca acgacgacat ccacaacatc 240
atgaaggact atccccagcc agatcacatc gtgcatacag gcctgtttgt aggacttacc 300
aagtaccatc gtcattcca 318

<210> 24985
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B2

<400> 24985

cccacgcgtc cggaataatt ttactaatca aattcttggg gggatatatt cctacaattc 60
ccgttctcct tcgaacaagg caacaacaat ctgttccggg cgccaaacaa aaccaataa 120
aaaacacact gaaccaata atccgatccc acagaaactt ttctctcggg ccgttcgatc 180
gatcgtgcc gtgtcgtttg ccagacacca tcagcaccca aaaccatggc ctgcaacctg 240
gtcagtgcg ccaccgcgt cgcgagacc gtcgtgcccc gcacccatcg tcctgctgca 300
gtccgcgttc gtattcttct acgctaggaa gcctgcgggc ggtagtctgc ggctgcagct 360
gcaagcatgc tgcgagcc 378

<210> 24986
<211> 448
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-056-Q1-K1-B3

<400> 24986

cccacgcgtc cgcccacgcg tccgatttcc cagccgccgc ggcgccacgc agacctagca 60
gagaaacacc cacccgagat ggcgatggct ctgcgccgcc ttgcgggcgt gtccggatcg 120
ccgtcggcct cctctgccgc ggccacgggt ctactccggt cggcgctgac ccgcccgatc 180
tccaccgggt tccgcgagga gcgcgacacc ttcgggtcca tccaagtccc caacgacaag 240
ctgtggggcg cgcagacgca gagatcgctg cagaactttg acattggcgg ggagcgtgag 300
aggatgcccg ttcccatcat ccgtgccttt ggcggtgctaa aaaagtgcgc cgctaagggtg 360
aatatggact atggccttga tccaacaata gggaaggcca taatacaggc agctgangag 420
gtcgcagagg gaaagttgga tgatcact 448

<210> 24987

<211> 485

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-056-Q1-K1-B4

<400> 24987

cgagaacccc gagaagagca tcgacaccat ccacatcgac ggctacgcct tcttcgccgt 60
cggcatgggg cccggcaaatt ggacggcagc gtcgaggagt acgtacaacc tcctggacac 120
ggtgagccgg cacacgatcc aggtgtaccc aaggctcgtg acggcgggtga tgatgacgtt 180
cgacaacgcg ggcatgtgga gcgtccgctc caacatctgg gagaggcagt acctcggcga 240
gcagctgtac gtgagcgtca tctcgccgga gcggtcgctc agggacgagt acaacatgcc 300
ggagaccagc ctccgctgcg gcaaggctcg cggcctgccg atgccaccgt cctaccgcgc 360
cgtctagagc gtcgaccgat cgcgcacggg gctgtacaca actaaaggag agcgagaggg 420
gactntntct cgcgtttcct tctctagcca gccttgtctg tccccttctc gttaatctct 480
ctctc 485

<210> 24988

<211> 474
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B5

<400> 24988

cccacgcgtc cgcttttttt tttttttttt ttttaacaaca aacaaaaaaaa ctactatctg 60
agctcaaatt tgtacattta gaacgacata atctacttgg acctttacag taaagggcag 120
aatgataaat tcttggttgt atcattcaca agtaaatgca tctcctcctc aagatatgcc 180
gatcgtcttc cctagcagcc acattaccag cgagaactcg atcataaaca gcgcgtgtag 240
ccatgtccgg tcgacgacga aaccgaacac cgtgatcccc gcccggttgt tctccaagta 300
cgtcactagc gcctgcctct tctggaagga gacgttggtg gcgtggaaag gcgtgaacct 360
tgagggtgtcc acgccgtcct cgctccgcca ctgcgtcgtc tcggactctt cgccggacga 420
cgcgccccgc atcgggaagg gactcgtggg cgtttgctgc tgcaggcacg cttt 474

<210> 24989
<211> 481
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B6

<400> 24989

cggacgcgtg ggtggcggtg tagtctatca gctgagtggg aaagagtgga gcaatggtgg 60
ggggctgtgc cagcggcgac ggcgccgccg aaggagcgtc cgcgaggtgg cggagggcgg 120
cggccaagcg gatcggcctc tcatgcgcct ccttcttctc ctacgccgcc tctccctccc 180
cgcctccttc caagaccatc tcccactccg cactgaatgc gcctgatgga gagcagcaaa 240
agatggagga acccaccagc accagagtgg ctgacaagaa tctatgtgca atatgtttgg 300
aactcctcag cagcagcatc agcagcgatg ttgatagtgg tgaggcggca gcaatctaca 360
cagcgcagtg ctcccactca ttccacttcc tatgcatcgc ctccaacatc cggcatggca 420
acgtcagctg gcctatctgg cgtgccccat ggggtctgagc taccacgtga cctgaaggtt 480
c 481

<210> 24990

<211> 475
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-B7

 <400> 24990

 gttgccgtga ggtggatctt ttcgtgaagc aagtagacgg gaagaagggtg actgatcctg 60
 cgaaacagga cgcgctgcgg tcacgcctga ggtccgagac gctccatccg ctgagggtca 120
 tggtcgtcgg ccgtggaccc gacacggagc tctctgtcgc caaccgggtc gaggcctccg 180
 ggaaggggacg gccgcgcgtg ttctacgacg ccactcttgc tctcaaggcg cttgggatct 240
 gcatctttctc tgctgagatc gggaggcaag cggcgctccga gcgccattgg gaggtgtaca 300
 ggttcctcct ggatgacagc aaggagtcc ccttggcaag cagcctcgct aacaggaact 360
 gtgtcgtcga tagggcgagg aagacgctga tgggatgcta caactgagac ttgggtgggt 420
 gtcgatctgt atctgtctgc aagaatccaa cgaagcaatg caagtgcaat gcaag 475

<210> 24991
 <211> 452
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-B8

 <400> 24991

 tgaataactc gatcgagata gacctatcgc tatcgggtgta gcattcaagt agggagggtg 60
 ccatgaacaa cattgaatcg tcggagctga ggaagggtgtt ccaaatgttc gacaagaatg 120
 gcgatggcca gatcacgaag aaagagctag gggagtcgct caagaacctg ggcatccaca 180
 tctctgatga cgagctcgat gccacgatgg acaagatcga tgccaatggg gacgggtgcg 240
 tagacgtcga ggagttcgga aagctctacc gctccatcgt cggcgagggc caagtggaca 300
 agcacgacga ggaagaggac atgcgggagg cattcaacgt cttcgaccag aacggtgacg 360
 gcttcatcac cgtggaggag ctgcggtctg tgctgtccag cctcggcctc aagcaagggc 420
 gcacggccga ngattgccgt aagatgatca gc 452

<210> 24992
 <211> 441

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-B9

<400> 24992

```

agtggttnta atggtcattt ctgggggtttt tgcaacaaac gataaacacg attggagttt   60
gactcaatct gaggttgctg ctgttggtata tgctgggtgc atggcatctg ctcttaatta  120
tgtcctattg acatgggtcca acaaaatact gggacctgct atgggtggcac tttatagccc  180
tcttcagcca gtgggtctctg ctctattgtc tatgattttt ctgggaagcc caatttacct  240
tggaagtatt tttggaggac ttctaatacat ctccggttta taccttgtga cctgngcacg  300
ccacagagaa aaactgacaa gtattggagt accttatgta acatgtgtat cggagtcact  360
cgatgggtcct tctcatgttg caaagactgt gcccttcata tctctttcaa ggctgtggga  420
tgtgccacat gagtcttgag a                                         441

```

<210> 24993
 <211> 494
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-056-Q1-K1-C1

<400> 24993

```

tcggcgatcat gcaacatcgg tcaacaaaga tcttgaatct aagctaaaaa atgcctctac   60
acttttggtg aagttgcaag atgagttttt tagttatttg aaaggggaat gcacacaaga  120
ggtaggtata gatggagatg cagagagaca accattgggtg tttatcaaga tgaagctagc  180
aatgccagg aaggagcttg aggacatgag agcagacatt aaaaaattca aggatgatgt  240
taggaaactt tggaatgtcg cagctacatt tcgggctgat atagataggg aggaggcagg  300
tctactagca ttagagcaca aagagcacct tgcttcgatt tctgtatcat ctcaccagga  360
agagctaagc aacattacat atgagctcaa catcatccat gaaagaacaa aagcaactaa  420
gatgcctata gagctacaac aagcaactga aagtgtggaa caagcaaaag ctaaggcttt  480
gatggcccat tata                                         494

```

<210> 24994

<211> 282
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-C10

 <400> 24994

 gcatctggtt cgggcgctgc cacctgtgga ttagcgagaa tgacggcgac aatgagctgt 60
 ggaactgaga caatggccta gatctcaaga acgatccatt agttcgaatt tggacggtgc 120
 caggccaaca cgtatacaag tagatcataa gctacgactg gatcatataa cttgaagatt 180
 tgaactacct agtctctagg acatacgatg aaactagagc gctggtagag gcaaacaaat 240
 gggacgtgtc agtgcacaaa gactatctag ctatggagag ac 282

<210> 24995
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-A9

 <400> 24995

 cccacgcgtc cggagaagag ctgcgccccg ctcatgctcc gcctcgcgtg gcactccgcg 60
 gggacgttcg acgtgtcgtc gaggaccggc ggtccattcg gcacgatgaa gcatcagtcg 120
 gaattggctc acggcgctaa cgcggggctg gacatcgcgg tgcggctgct cgagcccatc 180
 aaggaggagt tcccaatcct ctcttacgcc gatttctacc agctcgcggg agttgtggcc 240
 gtggagggtca ccggtgggcc tgagattccc ttccaccccg gtagggagga caagcctcaa 300
 ccccccactg agggccgact tcctgacgcc actaagggtt ctgaccacct gaggcaagtt 360
 tttggcaagc agatgggctt gagcgatcat gacattgttg c 401

<210> 24996
 <211> 346
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-E8

 <400> 24996

 aaggacgcgg cgaggtccac ctccagctct acctgcccg ctggcggctg cccccgtctt 60

cgtcttccctt aatctcaaat tcccaatcct cctccgacgc cttgtttctg gatcatccag 120
 cgggggggacg ccggtgtatt gctcggtcct cctccctggg tgcccaggagc agccgtgacg 180
 gaggcggagg tggcgggtggg ggaccatgta cagatcggcg ggggtcgcga tggcgtggaa 240
 cgtgttccgc gtctgcacgg ctctacgagg gctgggttcc atcatgagcc tactcgacct 300
 ggccatcgac ggcgtcacct actacgctgt caccatgtgc atctac 346

<210> 24997

<211> 360

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E9

<400> 24997

ctttcttaaa gaaaaaaaaat tcttggttac tgggagtggg gggaagccgt acaccctttc 60
 ttcacaattc ttaaccaatg cttgttggtc accttttcca tttggttcag ggaaaaaggc 120
 ttctatatatt tctaattggc ttatagctca gcaaaagaat actacagaca gtggagttta 180
 tttgtatcca gatatacaat gtggagaaat tgttcatcta ttctctctgg ttttgtcagg 240
 aaacctttctc atttcacctt tcttgcttag tgaaggagtt ggtgaggctg atgagcctaa 300
 cagctctggg cctttggctg tagataccag cggtttggct gacaacagtc ataagcgcaa 360

<210> 24998

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F1

<400> 24998

acggctcatc cagagggcaa gcaatagtta gttccgatct gtgtgtgtga aagtcttggg 60
 tagacacaga tcttagggct cagcctggcc gggaaggtag agcttaacca ctaccagcga 120
 caggaggagg ttgcgagaat gtcacagctt ttttcttcat gtttatcact atcatgtcca 180
 tcatcggcgt ggttttgtct ttcgtcaagc acacctgtga attaaacagc aaaagaggta 240
 agaggaaaag agcatagctt aataggatc aacacagttc agtgacgttt gtattctgag 300
 atgtttotca tctattaaag ccttagttct ttgttacctt tttcacaact ctgtactgtt 360

gcctcatatt ctgattgcgt ttcaaaatg tgatgttggt gaaacaaaac gtattgatgg 420
 tttgt 425

<210> 24999
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-002-Q1-K1-F10
 <400> 24999

cacccgcgcg cgcggcggcc ggcggcgagc cctcacccat ccgagcaagc cgaggaggaa 60
 gcgagcgcgc gaaagtatca ggaggaggca tgggtaccct ggggcgcgcg atcttcacgg 120
 tgggcaagtg gatccggggc acggggcagg ccatggaccg cctcgatcc accatccagg 180
 gcggcctccg cgtcgaggaa caggtttcaa ggcacgtac aatcatgaat atttttgaga 240
 aagagccaag gatccataga gatgtgtttg ttgctcccag tgcagcagtc attggggatg 300
 ttgagattgg tcatggatcg tcaatctggt acggatccat attgagaggt gatgtcaaca 360
 gcattcatat tggatctggt actaatatac aagacaattc ccttgtacat 410

<210> 25000
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-002-Q1-K1-F11
 <400> 25000

cttctcgaag ctcgtggtgg gggcttcacc agtggagggtg gagatcttct cgaagtgggt 60
 gctaccccccc ccacggccga cacttgtaag ctctccacca ctgccaccaa tgacctaccc 120
 acctccacca actctggcga gctcaccgcc tcttgcactg aggtcccctc ctccaccggc 180
 gccaatcaac tctccacca caccggtcaa atcctcacca ccacctgctc ctgtgagctc 240
 gccacctaca ccagccttcc catcaccacc ttcacctgca ccatcatcac cttcaccgtc 300
 ggcacctgag gagttcatct tgccaccaat catgggtcaa cattatgcgt cgacaccgtc 360
 ggctctgttc caaggatact aagcggatgat cacagcgcgc tctactgacg atgag 415

<210> 25001

<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F2

<400> 25001

cgatcacaat aagatggcgt gtatagacaa tgcaatgaga gccttggtcc ttttagcgct 60
cttctgtgtc gtgcatggtg agaaggcaaa gtcaaaggac aacgatgcaa aagcgctccg 120
gcccggtggg tccttcgaca tcaccaagtt gggcgctcc ggcaatggca agacggatag 180
cacgaaggct gtgcaggagg cgtgggcac agcgtgcggc ggcaccggga agcagacgat 240
cctcatcccc aagggcgact tcctcgtcgg accactcaac ttcacaggcc catgcaagg 300
cgacgtgacc atccaggtga atggcaatct gctggcgacc acggacctaa gccagtacaa 360
ggatcatggt aattggatcg agattctacg cgtgga 396

<210> 25002
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F3

<400> 25002

cggacgcgtg gggccaaaag gcactgaaga agccagtcaa tagcgagttc tactactagt 60
agctagcctg ctgatctgtt ctgttgttta gttcgcaaag ctttctgttt cggcgaccat 120
ggaggatgag aggaacacac agccttctcg gcaggaagaa gcacgacgac gaccaggaga 180
agaagaagca gacggatgag ctggcgaccg gcatggagaa ggacacgggtg tccgagcccg 240
agaagcacgg gcacaaggag gaggagcacg aggtcgtcgg cgagaagaag gagggccttc 300
tcgccaagct gcaccgcacc agttccagct ccagctcgtc gagcgacgag gaagaggagg 360
cgatcgatga gaacggcgag attatcaaga ggaagaagaa gaagatggg 409

<210> 25003
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F4

<400> 25003

caccaagcag cagaagaagg tcaccaagag cattatttcc aatacctcga atggattgaa 60
ggaactgttt gctgaagtcg agaaggagct cacatcaagc agcagtagcc atcctaattgt 120
agcagctggt cccactactg cttaaattgtt atcagtatca catacaaaca attattacag 180
gattcacatc aaagcaattc aggtacaagg ctaacatcag tacaacacca aaagatagat 240
tgggcattgc atgaatcaca tgcgtatgaa gaagccagaa gagtggatag ctgtttgtga 300
tctcttctctg ttctcttctg ttcacggtgt cacctgcttc agcgtctctg cactgccggt 360
agaaagtctt acagagatga gagctaaaaa gggtttcaaa gtaacagggt gtttcagaaa 420

<210> 25004

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F5

<400> 25004

aaactttgcg ccatttgatg cgtatgacct gaacatggga ttcaacaatg tcaatgattc 60
ctaaagggtg tgatacaatt tggggaaatc tggattggtc tccagaagat ggcattgaat 120
gtaaagctaa gaagcacaaa gccaacgata ctgggggtttc taaggatagc aatgggggaa 180
atatcgaggt tcaacctgaa cctattaact atggaaggct ggtatctttt ggtaaagatg 240
tagcagaagc accttcttca gagattgagc agatagaatt tcgtgatgct gttaaaggta 300
ataatatcgc ccattcaaatt acgtcatgcc gggagatctg gacagagtat cacgaattat 360
gatggggtgg aataaaggca gtcgcagact acatagttta cactgctagt tctgtttag 420
acc 423

<210> 25005

<211> 312

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F6

<400> 25005

ggaggagaac cacttgtcca ccgggacctg aagcccgcga acatcctcct ggaccacaa 60

ttcgtcagca ggatcagcga cgtcggcttc gcaaggctgt tcccacagtc cgtggccgtc 120
gtcaccatt acaggttgac ttatccggcc gtccctttgt gctactttca ctcgagtagc 180
catcagactg gcatgctcac caccatgtct tacgtgtact tcctcggcat catgcggcta 240
tcagattatc tcgctgggt cgccaatggg cctaacgcat cacgtgtaga tggcattata 300
gagaggtgcc tt 312

<210> 25006

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F7

<400> 25006

cccacgcgtc cgcgataata acatgagaaa attatctgaa tgacattatc gttacatagt 60
caagaagaaa catagtcaag aagaaacgga ttgcaagaat gcaatggaaa gaagggatcc 120
ctcttttaca ataaaaggga tcgtatittg agcggcacct ccacctgcga ggacgcctgc 180
aaggacctgc ccaagaccag cgacaaggac gacgtcgtca acttcagcct cgacttcgag 240
aagctgcagc gcgtcacgct cgacctcatc accgaggcgt ccggcaccat gtccgcaggc 300
atcgccctgc caccctccaa cgccggagcg ccctectacg gcgcggcggc gccttccgag 360
ggctccgtcg atgccccga cggcgctcc gagggccctg cgagcgccag cggcccgtct 420
ggtg 424

<210> 25007

<211> 277

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F9

<400> 25007

cggactcgtg ggcggacgcg tgggttgatg agaaaaaaaa aaaaaaaaaa aaaaaaagg 60
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaggaa gaaaaaaata aaggaacaaa aattaaataa aaaataaatg aaaaataaaa 180
aaaaaataaa taggggcacc taaattaaat taattggcca tatataaaaa acgtaattga 240

ctggaaaaac actgggggat ccaaatttaa tgcgttt

277

<210> 25008

<211> 397

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-G1

<400> 25008

cccacgcgtc cgcagccaca ctgtcccat ctacgaggga tacgccctcc cccacgccat 60
ccttcgtctc gacctggctg gccgcgacct caccgactac ctcatgaaga tcctgactga 120
acgcggctac tccttcacca cactgctga gcgggaaatt gtcagggaca tgaaggagaa 180
gctcgcctac attgccctgg actacgacca ggagatggag actgccaaga ccagctcttc 240
tgttgagaag agctacgagc tgctgacgg acaggtcatc accattggtg ctgagcgctt 300
ccgctgccct gaggtcctct tccagccatc ctcatggg atggaagctg ctggtatcca 360
cgagaccacc tacaactnca tcatgaagtg cgacgtg 397

<210> 25009

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G10

<400> 25009

gaaacgttgg cgtgttggtt ggtggcgtc ggcattggac aggcaacgaa gaagaatgtg 60
gaggctacgg tgctggagat cctccggggc tccgatatgg agtccgtgac ggagtacaag 120
gtccgcgcgg ctgccagcga ccgcctcggc atcgacctct ccataccga ccgcaagctc 180
ttcgtccgcy gcgtcgttga ggaataccta ctttactct cctccaagga ggaggcgaag 240
gcggaggagg agggcgctac tggcaggag agcaaggga aggaacacga agaggaggac 300
gaagaggatg acgatgagga ggaggatgaa ggtaagggtg gcgggaagag agagtacgat 360
gaccaagggtg acctatcct gttgccgctt tcgagc 396

<210> 25010

<211> 324

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-G11

 <400> 25010

 cttgaatttg tcatatccaa agatgatgga tgtagctgta cctgcccaatt tgggtctgcgg 60
 tatccaggat ccaccaccga agatctgagc tgttccagtg gaagcctgca actgcacttc 120
 tggttgttta tgaactctgg atcgccacca gaggccttgca gctgagttgt tcattaaata 180
 atttgtttgc tgcattcctgt gatatcgca gaaaataatc taaccaatgg ccggtgtagc 240
 ctctggttgt atgtggcaag gcactattgt ttagagagat caaaaggaac aatgctgata 300
 gtcaatgaag tttgattgcc tgac 324

<210> 25011
 <211> 407
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-E7

 <400> 25011

 ggacgaagct acgcgctgca ccgaccgacc aaaccctagg cgttcggcgg gcgtcaccac 60
 ggcgccgaag aaaggggtgcc tcgcgtcgcc ttgggtgtccc cgaagtcgtc gacggtgcag 120
 ctcgatccgc ctgcgtcagc atgtcgagga ggggtcccttg caaattcttc ttgcatggag 180
 cttgcttcaa aggagattac tgtgaattct cccatgactg caatgatcaa ccagataatg 240
 tttgcacttt ctaccagaaa gggacgtgca cctttggtag ccgttgcaaga aatgaacatg 300
 ttgaagttca ttgtaactgc cccaaccag caaccaactgt agcgcggtgca tccncaatt 360
 cttctcagct agttgcttct tccagagatc cccattgcag cgaatgc 407

<210> 25012
 <211> 409
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-D2

 <400> 25012

ggaaaagagt ccgatgtctt cctcgtcgac catgcgtggt ccttccgcct ccctgatgcg 60
 ctcaagcagt tgcgggaagt accaggattg gctgaaagga tggcagcatt gatgtgtgtc 120
 gatttggacc gcaagattga agaagatgag caggatgatg acgagagtgg gagcttggag 180
 catgtatcgc aagtagtga gaaagaaagg gctagagttc aggagagaag tgattctaca 240
 gcttggctgg aacttgaaga acttgaatt gatgatgaca tgctagtagc cttggatcta 300
 tctgcaaatt ttccgaatct agtagctctg aacctatggg gaaacaagct gcgggatcca 360
 gagaaagtta tgcaagaaat caggaagtgc acaaagctaa aggcacttt 409

<210> 25013
 <211> 402
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-002-Q1-K1-D3
 <400> 25013

cgcgagaaaa tcgttcgggc gtgacatagt cgacgccac tacaaggcct gcctgtacgc 60
 aggcatcaac atcagtggca tcaacgggga ggcatgccg gggcagtggg agttccaggt 120
 cggaccgtcc gtcggcatct cttcgggcga tcaggtgtgg gttgctcgct acattcttga 180
 gaggatcacc gagatcgccg gcgtggtggt gacgttcgac ccgaagccga tcccgggcga 240
 ctggaacggc gcgggcgccc acaccaacta cagcaccgag tccatgagga aggagggcgg 300
 gtacgaggtg atcaaggcgg ccatcgagaa gctgaagctg cggcacaagg agcacatcgc 360
 ggcctacggc gagggcaacg agcgccggct caccggcagg ca 402

<210> 25014
 <211> 430
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-D4
 <400> 25014

cacttctcgc ctggcccata aatatatc tatctatcgc catcgagcaa ttataatctc 60
 acagaataat aaacatcatg gggcaagcct cacggctcgt cctcctcgcc gtcgtggcgc 120
 tgctgtccgc cggcctctc cgcaggcgc tgggtaaggg taggggaggc aggggacacg 180

gtggcgccgt caaccgcag gtcgcggca tctgctctcg caccgcgttc ccggaggtgt 240
gcacgtccac cgccggcgcg cacgcgtcca agtaccgcgt catcgacaac ctggccgtgc 300
tgaacatgca ggtggacgcg ttcgccaagc gcaccgcgca ggcgcgcaag cacgtcgcgga 360
ggtcggcccc caccatcccc ccgcagcaga cgcangcgct cacgttctgc gacaccatgt 420
acatgaacac 430

<210> 25015
<211> 387
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-D5
<400> 25015

gactgagagt attgaggctg tgaagatgtc aaagcgtgcg ggctgggggtg tgatgactag 60
tcataggagt ggtgagactg aggacacttt cattgctgat ctggcagttg gtttgtccac 120
gggtcagatt aagactggag caccctgcag atcagagcgt cttgccaaat acaaccagct 180
tcttaggatt gaagaagagc ttggcgctat tgctgtctac gcaggtgccca aattccgtgc 240
acctgtggag ccctactaaa cgggcgggat gcaagtgtt ttatgtctgc acaagtcttg 300
tgaaactgtc tactgcgacc tgcagatttt actctttag tagccctgagt agattctagc 360
aataatatcc aacatgaaac atgttac 387

<210> 25016
<211> 359
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-D6
<400> 25016

cccacgcgtc cgcccacgcg tccggacgtc gtcaacttca gcctcgactt cgagaagctg 60
cagcgcgtca cgctcgacct catcaccgag gcgtccggca ccatgtccgc aggcacgcgc 120
ctgccaccct ccaacgcgcg agcgccctcc tacggcgcgcg cggcgccctc cgggggctcc 180
gccgatgccc ccgcggcgcg ctccgagggc cctgcgagcg ccagcggccc gtctggtgac 240
gacgcgccg cgctccggtgc tgggtgccagc gcgtcggtcg ctgatgcttc cgcggctgaa 300

catgcaatgc gacccgtcta gccagccaa ccgcatcagg cgcgcaatgc acgtctcga 359

<210> 25017

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D7

<400> 25017

cggacgcgtg ggcgaggggg tggaggagag caagcccgcc ttcgtcgtcg tcgcctcgtc 60

cgcggcgacg cagtcaggg cgcgccagga agcaccggac ccggcgccgg cggcccgacc 120

agaaccaatc cagggggtc cgcggccgcc cgtggggcag gtggggccgcc aggatccggg 180

acccgggtcaa gggcgctccg gtttggttgg gaactttccc ttcggccgag gccgcgcggc 240

gcgcttataa ccacgcg 257

<210> 25018

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D8

<400> 25018

ctcactcgcc cataaatata tatctatcta tcgccatcga gcaattataa tgggacagaa 60

taataaacat catggggcaa gcctcacggc tcgtcctact cgccgtcgtg gcgctgctgt 120

ccgccggcct cctcccgag gcgctgggta agggtagggg aggcagggga cacggtggcg 180

ccgtcaaccc gcaggtcgcc ggcatctgct ctgcacccc gttcccgag gtgtgcacgt 240

gcaccgcggg gcggcacgcg tccaagtacc cggatcatcga caacctggcc gtgctgaaca 300

tgcagggtgga cgcgttcgcc aagcgcaccg tgcattgcgc caagcacgtc gcgaggtcgg 360

cccgaccc 368

<210> 25019

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D9

<400> 25019

gttcttccac atgaacatgt accggtgcaa ggacatgctg atcaaggacg tgaccgtgac 60
ggcgcccggg gacaggccca acacggatgg catccacatg ggcgactcat ccgggatcac 120
catcaccaac accgtcattg gcgtcggcga cgactgcata tccatcggcc ccgggacctc 180
caaggtgaac atcaccggcg tgacctgcgg ccctggccac ggcatcagca tcggaagcct 240
agggcggtac aaggacgaga aggacgtcac ggacatcaac gtcaaggatt gcactcttaa 300
gaagacgatg ttcggcgtcc gcatcaaggc gtacgaggac gccgcctccg tgctcaccgt 360
ctccaagatc cactacgaga atatcaagat ggaggactca gccaacccca tct 413

<210> 25020

<211> 266

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E1

<400> 25020

acgcttgaat ttgtgcctct ctgattccct tgagccaaat ccctcacctc atagtccct 60
gtggcgcttg cagaattctg aggaatacca ggtttcccc atccttttcc ataaaacata 120
tttatgtatc cataactaaag agtactttct gaggagtact tcatagattt tttttttaat 180
tgccttgttt gccttcagtt tccttaattt tcatggttta catggatgtg tgtgtagggg 240
ctatatattgt gtatatacac gtgggt 266

<210> 25021

<211> 196

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E10

<400> 25021

ggttgaagaa gctttgacca tgatggatcat actgaatgct aaaacatgta ctctaggaa 60
catattgtga ttgttcacgt atacaggttt gaatttagct ttgatatgaa taatgagaac 120
caagtgtgta tgaatggaga aggggtgtaa ccggatcgga tacgaacgaa tattgcttgt 180
accatattta tttcat 196

<210> 25022
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E11

<400> 25022

cacgctcaag gaggagctca tcatccgcgg cgacaagacc attgacggcc gcggcgtgca 60
ggtgcgcata accaatggcg cgcagctcac gttgcagttc gtcaacaacg tcatcatcca 120
caacatccac atcaacgaca tcgtctcctc caacaaggac ggcggctacg tccgcgactc 180
gccggaccac ttcggctggc gcaccgtctc cgacggcgac ggcatacccg tcttcggctc 240
caccaacgtg tggctggacc acctctccct ctccaactgc caggacggcc tcatcgacgt 300
catcgccaag tccactggcg tcaccatctc caactgccac ctcaccaacc acaacgacgt 360
catgctcttc agctccagcg acaagcatcc cgaggaccag atcatgcaga tcaccgt 417

<210> 25023
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-002-Q1-K1-E2

<400> 25023

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcccc tcgatcccc tcaatccata 60
tggcggnggg gggggggcga tgcttgcggt tgcgctcgtc gccattttga tctccagcat 120
tgtggtcgcc gcctcattac ttggatctcc gacgcgcgcg gtggtcgggt gggcgatgct 180
tgcttgccat tgtgctcgtc gtcgcttgga tctccggcat ggtggtcgcc gcctcatcgt 240
cgggtgagca ggtgtcctac cgtggcgact ggatccgcgt ccagcccgtg cccggtgcct 300
tcgtcgtaa cttcggccac atcttgtagc tcacatttct catgtttttg aatatgtata 360
caaataaaa tgttgcagtt accctttcac tgacatggtt gatagacaga tttacctcat 420
a 421

<210> 25024

<211> 426
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-E3

 <400> 25024

 cccacgcgtc cgcggacgcg tgcgctcaca cgatcgaaaa taggttcact tccgtgaaga 60
 tggcccatcc acagaagaga tagccgaggt tgtcaagtca agtgtgctcc ctgacatgtt 120
 caagagcaca tatgagtcaa tcaccaatgg aaatcctacg tggaatgagc tgccagtctc 180
 aacaagcact ctctaccctt gggatccatc atctacatac atgcatgagc caccttactt 240
 caaggatatac aaaatgagta ctgctggccc gcggtctgtg aaggatgcat attgcctttc 300
 gaattttggt gacagcatca caaccgatca catctcacct gccggaaaca ttcaccaga 360
 cagcccatct gcaaaatata tgaaggagcg tggcggtgaa aggaaggact tcaactcata 420
 tggtag 426

<210> 25025
 <211> 409
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-E4

 <400> 25025

 gcggagcgcg ccgaggtggc tcggtcgcgc aacctcgccg cctacgtcag cgaccccggtg 60
 gccgccacga accggttcaa cgcggacgtg ctgagggcca cgacgcggcg ggcgctggcg 120
 aggtacgatg gcccgatcat ggcgaccaac cccatcgacc ggtgctggcg ctgacgcgcc 180
 gactgggcga cggaccggaa gcggctggcg cagtgcgcgc gcgggttcgg ccacaggagc 240
 gtcagcggcg cggccggcaa gctgtacgtg gtgagggacc cgagcgacga ctagatgatc 300
 atcccgcgga agggcacgct gcggcacgcg gtgatccagg accggccgct gtggatcggt 360
 atcgcgcaga tcacgtgtga gaacgtgcag aacgtgatcc tgcacaatc 409

<210> 25026
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E6

<400> 25026

gtcgtgtacc acctcttget gtcgtccac tgtcacggac tcgtcctcgt cgtccccgtc 60
accggcgggcg gccaatgccg cgtccgcgcc accgaaggcg gagggcgaga ctggcgggga 120
cgaggacggt tgtgctggta aggcggcgcc ggcgaagaag cgggagcgga gcagcgaggg 180
gaagcaccgc acgtaccgcg gcgtgcggat gcgggctggg ggcaagtggg tgtcagagat 240
ccgcgagccg cgcaagaagt cgcgcatatg gctcggcacg ttcccgaccg ccgagatggc 300
cgcgcgcgcc cagcagccg ccgcgctcgc catcaagggc cgcgccacgc gaagtccccg 360
ccacaagagc ggcagctggt cgacttgccg gacctgctcc tcgacgtccg ggacgggttc 420
gggcgc 426

<210> 25027

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D11

<400> 25027

attgaccgca aagggccatc cgctgcggtc agtgtagggt tctgaatcat agcttggcga 60
tgcctgaggg tagacaaata ctgagctagc cttcagaaaa aaaaagaaaa gaaagagatt 120
gagaagcagg gagaaaaaat ggactggcc cattgaggaa gcttgagaac cagttaacaa 180
gaattgccaa catattcttg gacaatcttg ttaacagagt ttaagggtt cccagcagac 240
atctttcgag tccaggaaga gcgctgcaa ccaccacatt catataatta ataagcaagg 300
tttagagaag aggcaacatg ggcacaaaga tgaagaaggg gatcctgaag ccgttccgct 360
atatctcaac catcatggat ggtaaggagg ctgaaatgca aattgggttc ccgac 415

<210> 25028

<211> 427

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-B6

<400> 25028

gcggcggtgt tccagaactg cctcatcatc acgcggcggc ccatggacaa ccagcagaac 60
tcggtgacgg cgcacgggcg caccgacccc aacatgaagt ccgggctcgt catccagaac 120
tgccgcctgg tgcccacca gaagctgttc ccggaccgct tcaagatccc ctcgtaacctg 180
ggccgcccct ggaaggagtt ctgcgcctc gtcatcatgg agagcaccat cgccgacttc 240
gtcaagccag aggggtacat gccctggaac ggcgacttcg ccctcaagac gctctactac 300
gccgagtaca acaaccgcgg gcccggcgcc ggcaccagca agagggtcaa ctggcccggc 360
ttccacgtca tcggacggaa ggaggccgag ccgttcaccg ncgggccggt catcgacggc 420
gccatgt 427

<210> 25029

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B7

<400> 25029

cggacgcgtg ggcggacgcg tgggccggtg tactgcagta atgtaaaggt ccacaatgtg 60
acgattaaga cctcattgga cgctccactg actgatggca tagttccaga ttcattgttca 120
aacttatgca ttgaggacag caccataagt gtcagccatg aagccatctc cctgaaaagc 180
gggtgggaca ggtatggcat ttccttcggg aggcctacct ccgacattcg catcagcaga 240
gtggacctgc tatcatcttc cggagccgct cttgcattcg ggagtgagat gtctggtggt 300
atctcagaca ttcattgtta ccacctccg atccacgact cctccaaagg tattttctttc 360
aagacctcac ccggccgtgg gggttacatc gaggacgtgg tcatctc 407

<210> 25030

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B8

<400> 25030

cccacgcgtc cgagcgcccc agcccagcga tcgccggagc ccgggcctcc ccaccgctcg 60
cgccggcggt cgccgatcat ggccaccacc cccgcgagg atccggagcc tgggtacct 120

cctcccaagg ctctctgaga gcagccgcgg cgggcgcgcc cgtgcgtcct cctcagcttc 180
tcggcagcgc gcgaccgctt cctccggggc cggttcctct cggcgggcct gcgccccttc 240
tctgtccgcc tcccctcgcc ggccggcacc agcaccgtcg tccacctctg ggcgcggggc 300
cggtcgcgcg ggcggcccgt gtcctcctc cacggcttcg gcgcgtcggc gacgtggcag 360
tgggccccgt acctccgcag cctcctcgcg gccggcctcg accccatcgt cccggac 417

<210> 25031

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B9

<400> 25031

caagaagcac cgcctgacgt tctcgatccc gggccagccc ctgtccgcgg ccggcgaggt 60
gggcgtggcc atccgccacc tgcgcgccgt ggaccccgcc ctgcgcgcgg tcatcgacgc 120
gcacgagccc cccgtgttcc agtgcccgca ccgcccgttc cactccctcg tacgatccat 180
cctgtaccag cagctcgctt tcaaggccgc cgcctccgtc tactcccgtt tcctcgcgct 240
cctcggcggc gaggccagcg tggccccga cgcgcgtcct gcgcctcagc cgcaccagct 300
ccgccagatc ggggtctccc cgcgcaaggc gtcctacctt cacgacctcg cccgcaagta 360
tgcctcaggg atcctctcgg acgcctcgat cgtcaacatg gacgaccgct ccc 413

<210> 25032

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C10

<400> 25032

cccacgcgtc cgaatttcat ccaggaatt gttacttcag tcatattctc agctgtaatt 60
tcattgtcag cctcatccac aattttatta ctgcgacttg aatgaagcca ctctaacagg 120
gatgaaatta tctcaacac tgactaactc catgtcaaaa gaagaaaagc ataattctgg 180
gtacatgtac aaaaaattg ctcagctact gattaataat gtagcttaag aaactaggct 240
gtaatcattt cctctcactc agaagagcct ctgtatgtgt cgatcatgct gggtcaggga 300

ctaacgagtg caagaataac aaggctgctc aacaacacca gcagcattcc cagggagttc 360
ataaacatgg cttctgtgga gaagcgctca atcattttgg cgctctgcat aaagattgac 420

<210> 25033
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C11

<400> 25033

cccacgcgtc cgcgagcgag gatgaggcga aggcgtgctt ggcgaaagaa gccacgcgtcg 60
actccattgg acgtcgccag tgtcgaggag tacaagcaga aggcgggctt ggtgtcgaag 120
cggggccgga ggtcgacagg cagcaactaa ctaccgtgac catcgtcacc gttgtgggtgg 180
ttcttcgccc tccgtgcctt cttccccctg tccgatagcc gacgccggtg cgagatctac 240
tcccccccat cctcgcttca acgagcacct ttctttaatc ggtagatgg tgcgcttacc 300
tcgtcctcag ttgctataat gggctccaag tgatgggagg catgaaacat gctgaagtga 360
tacatgctcg tattttgaaa ccagatagct gcaaaaccaa gtcaataaag caaag 415

<210> 25034
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C2

<400> 25034

cccacgcgtc cgcccacgag tccgcccacg cgtccgaagg aacaatgaag caaaccaaaa 60
cccaatcaga atcaggggtg gtaggcggag gaaggaaggg gaaaggcgac gagctggtga 120
cgacgaggag caactagcgt cgcgaagccg ccgagcccca ggcgaagtca caggccgccc 180
cagcggtgcc ggcgcccacc cgatccgccc ccgcccgcga cctcgtgctc gcgcctccgg 240
tcggaaggag ggggtgtcaa acccatggag cagcctgccg ctcccgatcg gagcgatttt 300
cccgcggggg agtgcgaaatg gcgggaggag ctgcggcagc agcagtctca ggtggacgcg 360
ctgcgggagc ggctcgtgga 380

<210> 25035
 <211> 390
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-C3

<400> 25035

 cggacgcgtg ggcggacgcg tgggcggacg cgtgggcctg gagggtgcaa gggagggagg 60
 cggtcgaatc cgtcatccac tgagcaccgc cagccccgca cgcgagggtc ggagggctac 120
 gctccggagt ccgaggggaa ggcagaggag gcaagcaggc cggatgggtg ccgctggtga 180
 cgccgcggca gcgggcacgc ggtgcgagct ctgcgggggc gcggcggccg tgcaactgcg 240
 cgcggaactc gcgttcctct gccgcgctg cgacgccaaag gtgcacggcg ccaacttcct 300
 ggcgtccagg cacgtgaggc gccgnctgcc gcgcggnggc gccgactccg ggggtgtccg 360
 gtccgcgtcc agcggctcct gcctgtccac 390

<210> 25036
 <211> 424
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-C4

<400> 25036

 acgcgcgcac gcacgtatgg tcgaacaata ttaggagaga agctcagaga ccggttcctg 60
 gccttccaaa aaagaagtag acataagata gatctctccg cctctcctcg cccaacctcc 120
 tccaacaagt aacattgacc gcaaacggat catcgctcgg tcgggtcaat gtaattaact 180
 aagctttctca atcatacata gcttggcaaa tgccctgaggg ctagctagac aagggtccgtt 240
 gagctagccc ctttgggaag aaggagagg aatggcgctg gtggcccgtt gagcgaggaa 300
 gaggtattg agaaccggtt aacaagaatt gccagcagca tctggacaat cttgttaaca 360
 gagttccaaa ggttcaattc caagcggata caatttccga gttggatcga gaagagtgcg 420
 tgca 424

<210> 25037
 <211> 404
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-C5

<400> 25037

atcgatcagc tagctagctg ctgccaaagag ctagccaggg gacagagcag cagcttgaag 60

ttggtcacca atgctaagga tgggccgcgc cagcgccaca gcaggtgtgt tgcgcttcgt 120

cagggcggtc gccctctgcg tggctacggc atgcctcttc ctggcgggcg gcatgccctc 180

gcctgtggcg gcgcaggacc cgtcgaagct gagcctgcag tactactcca agacgtgccc 240

caacgtggag cagtcgtcc ggacggagat ggagtgcgcg gtgcgcgccg acacgcgcaa 300

cgccngctc atgctccggc tccatttcca tgactgcttc gtgcaggtga tcagtcggtc 360

cgtcctatat atatcagcta atgcagcaac agcagctagc tgat 404

<210> 25038

<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C6

<400> 25038

gcaagacatt ctggtacatc aatacttcca cagaatctct gacacatatt agggacgttt 60

caaaattgag gtggacatga gatagatcta tgctgatctg ctacgagatc ctgattaaac 120

catatcatat tgaccgcaaa cagatcattg ctgcgcgcga acaatgaaat taactaagct 180

tctcaatcat acatacctat ctaaattgcct gacgactttc tacactagct tctatgagct 240

aggacatddd gtaaaaatga agaagaatag agctggtggc actttttaact 290

<210> 25039

<211> 334

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-C7

<400> 25039

ctctgtccct ctacggtgct tctgctcgcc ggcccaaaat cgctcatcg accacgcccc 60

cttccaggct cccgtctcca tgggtctcct ctcaaacagg attgggaggg agagcctcaa 120
ggcgggggat catatctact cctggagggc ggcgtgggtc tacgcgcac acggaatata 180
tgtgggcat gataaggtga tccatttcac angaggaaga ggacaggagg tcggaacagg 240
aactgtcgtc gatattattc ttgtgagttc cccccaaaa cgaagcaaca cgccttgccc 300
ggtgtgcacc gacgaaacca gggacagcag caca 334

<210> 25040

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C8

<400> 25040

agcagaactc tctcgacctc atcggcggttg gcggagcgcg tgttgaccgg agatggcgcc 60
gagcgggttg aggaggagcg cggcggcgcg ggtcgcttg cgcccgaca cggtttgcc 120
gtggctcgcg ctcggcgacg ccgtactgac gctcgcccag gctaagaagg acctgacgga 180
ggttaccctc caggtctact tcgacatcga gatcgacggg aagcccgag gccgattgt 240
catggtgctt tatgagaaga ctgttcctaa tactgtagag aacttccgag ctctttgcgc 300
aggagagaac ggggttgcca agagtggcaa agcccttcac tacatgggaa gtcagttcca 360
cagaatcatc ctcagcttca tgctccaagg aggtgacttc actctcgggg acgggag 417

<210> 25041

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C9

<400> 25041

aattttacta atcaaattct tgttgggata tattcctcca attccccctc tctcccaac 60
aaggcaacaa caatctgttc cggccgcaa acaaaaccaa aaaaaaaca cactgaaccc 120
aataatccga tcccacagaa acttttctct cgggtccgttc gatcgatcgc tgccgtgtcg 180
tttgccagac accatcagca cccaaaacca tggcctgcaa cctggctcag tgcgccaccg 240
ccgccgcggc gaccgtcgcg ccccgacccc ctgcacctgc tgcgtccgcg tccgtctcct 300

tctccgcgag gaagccggcg ggcggcagcc tgcggctgca gcggcaggcg tgctgcgagc 360
cgtcgggtggc gccgtcgcg gcggtgttcg cctgccgggc cgcggcgctcg gggagc 416

<210> 25042

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D1

<400> 25042

cccacgcgtc cgcccacgcy tccgccctcg tcgtcgtctc actcaccocg ccttcacgcc 60
tgccacacca aataaggctc cgcccttttc cgacattcac aggggggaca ggaaatcagc 120
ggccatggcc tcgattccgg cgacgacctt cggcgggcatc ttattcggcc tcttctgtgc 180
cgcggtgtgt gccgccgttg acaacgaact ttccgagtac gttattcaa 229

<210> 25043

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D10

<400> 25043

cttttattta aaaaaaaaaa aggtatctta ttatatatga tgcagtgtg cttacaagaa 60
gcagatggta cttactaca tttcaaactt cattgcaaag tagaatatat atggacataa 120
gatcacatgg atgttgctcc aactttttta gcacacacag atatacaacg caaatacaca 180
ttgattgcct tctctggagg caattcacca cagtgcggt cctttagtta cccccaagag 240
gatggcaacg gcagcaaaa cggcagcaat tgtgcaagca acgtatcctg gtttctctcg 300
ttggatcatg atattctact ttgcaatgaa gtttgaaatg tagtaatgta ccattctgctt 360
cttgtaagca gcactgcatc atatataata aggaaccttt tattttt 406

<210> 25044

<211> 286

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B5

<400> 25044

cccagcgctcc gccacgcgt ccgggcacga cgaagccggc cttaaccaac ggcggcgcca 60

gggccagctt cggcagcaaa ccggcggccg gcgtgggcac cgtgcttggc cgggccatgg 120

aggacacgcg cgcgagctac tcgatgggcc aagggtcttg gcgcgggcac ttcggcgtga 180

cccacctgtg cacgcaccgg acgagcggcg agaaactggc gtgcaagacg atcgcgaaac 240

ggaagctggc ggccacggag gacatggaca acatgcgccg gaaggg 286

<210> 25045

<211> 454

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-H6

<400> 25045

aaaatggcaa aggctctcct aggtggccta tcggcgatcc tcgtcgtggc ggtggtcgtc 60

ggtgtggtcg ccaccgtcac ccgctccggc aagaaggccg gcgacaactt cacggtcccg 120

ggggaggctt cccttgccac gtccggcaag tcggtcaagt ccctgtgcgc gccacccta 180

tacaaggagt cgtgcgagaa gacactgtcc caggccacca atggcaccga gaacccaag 240

gaggtgttcc acagcgtggc caagggtggc ctggagtcgg tccagacggc ggtcgagcag 300

tccaagtcca tcggcgaggc caaggccagc gactccatga ccgagagcgc gcgcgaggac 360

tgcaagaagc tcctggagga cgccgncgac gacctgaggg gcatgctcga gatggccggc 420

ggcgacatca aggtgctggt cagccgggtcc gacg 454

<210> 25046

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H7

<400> 25046

tctagtgtc ttcataccat cagaactatg caggctatgc ttttgtctac tttgaggatg 60

aacgtgatgg caatgatgcc atacgggctc ttgatgggta tccatttggc cctggcagac 120

gcaggctttc agtagagtgg tcacgggggtg atcaagctgg tagacgtgat ggcaacaaac 180

cagaagcaaa tactaagcca acaaggacac tgtttgtcat taactttgat ccaatgaaca 240
 caagagtcag tgacatcgaa aggcacttca caccatttgg gaacatatca agtggttcgga 300
 taaggaagaa ctttgctttt gttcagtttg aaactatgga agaagccaga aaggctcttg 360
 aagctactca tgctaccacc cttttggaca ggggtgatttc tgttgagtac gccttcaggg 420
 atgatagtga agtgagtgat aggtacggca gcccaagaa 459

<210> 25047
 <211> 52
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-H8
 <400> 25047

cggacgcgtg ggcggacgcg tgggcggagc gtgggctagt tctagatcgc ga 52

<210> 25048
 <211> 423
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-H9
 <400> 25048

cccacgcgtc cgaaagcaaa aattttcttc agtgctgcag ttgaagcctg ggatgcagaa 60
 ttttatgtca aagttgaaga taacattaat cttgacttag ctgggttaat tgagatgctc 120
 gaaggccgtc gaggtagcca aggattgtac atgggttgta tgaaatcagg gatggtcata 180
 agtgaagagg gccacaatg gtatgaacct gagtggtgga aatttggaga ttcaaaaacg 240
 tattttcgac acgcttctgg ttctttgttt atcctctcaa aaaatttggc tcgctacatc 300
 aacataaata gtgcgtcact gcagagttat gcacacgatg atatatcagt aggttcatgg 360
 atgatgggac tgaatgcaac ttacgtggat gatgaccggt tgtgctgcag cagttccaga 420
 caa 423

<210> 25049
 <211> 353
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A1

<400> 25049

cccacgcgtc cggcatctgc aaattcggcg ccaactgtaa atttgatcat cctacaatgg 60
ctgctccaat gggagtttat gcatatgggt tctctgggtc tgcttctgtc gcacccgctt 120
caactaatgc acctatgacg cgacatcttc ttggatttcc atcaggttct ggatatatgt 180
cttaggtgtc tttttttcag ttgacctact ttgatgtata aaatccacgg catcgctca 240
ggcgctgtga atgtttctcc taacttcccg ccgggatgaa gttctgtaaa ttgagttgct 300
gccggagatg tacagcccc cttccccaat taatccagaa ctttggaat aac 353

<210> 25050

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A10

<400> 25050

cggacgcgtg ggcggacgcg tgggctggac cccggcgagg ccaagggtga tgaggacgtc 60
actatgacta cgactacacc agcagcacct ccacatcaag cgccacttcc ttcattagct 120
gggccaatca ctcgggcccc tgccagagat cttaacttcg tcatgctact gaagaatgag 180
ggcccagaag aatagacgac caacccaact gcggcccata gtggacgacc tagggatggc 240
cgcccctagg ggttgcgccc cctctctatt tatcaaggag ctacgcctca tttgttcttg 300
gagttttgtt ttacgttagc tttagctact ctggaacacg cgcaaactcag cgttgtcttc 360
gtgtattcag aactccaccc tcgagtaata gattagattg atcgcatctt gttctt 416

<210> 25051

<211> 99

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A11

<400> 25051

cagacgcatc aggacctctg ggtctacgta ccagggatgc ttgagcagat tcgaggacgt 60
ttttgtcttt tgaaaggcaa tactggttct tagggaccc 99

<210> 25052
 <211> 324
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A2

<400> 25052

```
ctccgacggc cgctctgtcg tcgatttcat cgcgaggag ttgggcctcc cgctgccgcc 60
gccgtccaag gccagaacg ccagcttcgc gcagggcgcc aacttcgcca tcaccggcgc 120
caccgcgctc gacaccgact tcttcggaa gcgaggctc ggcagaccg tgtggaactc 180
cggtccctc cgacgcaaa tccagtggct gcgagacctc aagccatcgc tctgcagctc 240
cgcgcaaggc acacgatgca aggagtctt cgccgagtgc ctgttcgtcg taggcgaatt 300
cggtgggaac gactacaacg cccc 324
```

<210> 25053
 <211> 371
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A3

<400> 25053

```
acggactggc tatagatcgt aggacatata cctttcacac ttagaccctg cgtatgaact 60
gtattcgcgc agagacaact tgcttatcag gaagatcacg gagctacaat agactgcac 120
atgggccgac cccatgctgc tgatgctcag aaagcatatt aatgaactgt acaagcacia 180
aaagggttac ccttacaacc tgatcatcgc atgactgcaa tgtaacgaga cctgcggaaa 240
caggcttgct agagccttta ataaggctcc tgaccggact tttttccatt aaactggctc 300
caacagctct tacaacactg tcgttccttg tggacgtact tgtacatgaa actgcgatga 360
tagccaacct t 371
```

<210> 25054
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A4

<400> 25054

ttctttgtttg ggggtttgcc atcagactct agtgcagcag aaactacagt tgctcttgcg 60

aagactgttt catcttgtgt gcatcacatg gaacttggtg ctcttagtgc ctgccttgct 120

gctgttgttt gttcgtctga acagccacct ctgcgccctc ttggtagctc tgctgggtgat 180

ggggcttctc ttgttattaa atcagtactg gaccgagcaa ctgagttact gactgatcgc 240

catgctgcag ccagctacac tgtgccaaac cgtgctctct ggcaggcatc atttgatgct 300

ttctttgggc ttctaacaaa atactgtgtc agtaagtttg aaagtatcca acagatgttt 360

gtcacacaga caccgagctc aggaatcgga cctgaggctt ccaaagctac tagt 414

<210> 25055

<211> 118

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A5

<400> 25055

aaaaaaaaac aaaaaaaaaa aataaaaaaaaa aaaaaaaaaac ataaaaaaaaa aacggaatgg 60

aaaaaaaaaga aaagaggcat atcaaaaagg cttaccaatt taaaagggcc ctcctttt 118

<210> 25056

<211> 190

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A6

<400> 25056

caaggacctt cggcgcccggt tcaggatcca catcttcccg agcgagttct tggttgagct 60

cttctcttct ggaccacctc caaggctctt ggtgtagctt gccactctca ccaatcaagt 120

tttcatgtct gatctcgaca ttcagatccc aactgccttc gatcccttcg ctgaggccaa 180

tgctggggac 190

<210> 25057

<211> 54

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A7

<400> 25057

agccttccgc gacacccttg gggcccggt taaacgacaa gattcgccat tgcg 54

<210> 25058

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-A8

<400> 25058

gaggtgttgc ccaggaatac agcttggaag ccggcaaaaa tttgtgattt tgggtgcttct 60

actgtcattt gttgttatgc ttgcctttgc catcctcata tgggttggtgta gaggagacaa 120

tcctatcgat tcttctctac tgaaaagggt ttatttggat gtattttcag tagtagttat 180

tgtacttggt ggtgctctgg catgttacgg tgcagtgtta ttctcgaaga tgagcaaagt 240

tcgttctgaa actgtatcaa ctgagaagtg gaagggtgcc agtttagctg ctgtctcgct 300

gatctgtttc tcgtcttctg ctatacttgc acttgtgact aatgttccag tgcttttgta 360

ttggtattca acagatgtgg acatcatcaa caatgctgnt attatgttta tatattactt 420

cat 423

<210> 25059

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A9

<400> 25059

tcgcccacgc gtccgcggac gcgtgggcag aggattgctg cctaattggca tagagattgc 60

tgtaaaacaa tgaaactgga aaccggcaat ggaaagcgtg agttccaggc tgagggttgag 120

attatcagcc gagtacatca caaacatctt gtgtcttttg ttggctattg catttctgga 180

ggcaagaggt tgcttgtcta tgagttcgtc cccaacaaca cattggaatt ccacttacat 240

gggaacgatc gaccaacaat ggagtggccc actagattaa agatcgctct ggggtgctgcc 300

aaggggttag cttatcttca tgaagactgc catccaaaga tcatccaccg cgacattaac 360
gcataaaca ttcttcttga cttcaaattt gaagctatgg ttgctgac 408

<210> 25060
<211> 410
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-B10
<400> 25060

agatcaccgg ccgtcgagcg agcagtctcc caattccacc caataactaa taacatgggc 60
tcgaacgcca ggttccttgg accactatat ccaggagcga cgaagtgatc caccgcgagc 120
ccatggagat gaagaaggtc ctctgcgccg cctcgtcgc gcgcgcctcg gccaccgccg 180
tgctggcctc ggtcgcctcc gaggcgccct ccgaggcgcc gcgcggcgcg gccggtggtg 240
cggctggccc tagcgcaagc ggcgccgccg tcgcgcgctg gcccgccgcc ggggcgctcg 300
tcgcctcctt cctcgcctac tacctccact gagcgacgac gcgcggtgcg gcaacgttgg 360
gatgcatcgt gtttggttca tccgattaat taattgtttt ttttatttac 410

<210> 25061
<211> 416
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-B11
<400> 25061

cggacgcgtg ggcagaaacc ggcgtcggcg atagtgtcaa agctggagca gatcgtctga 60
gacagagcgc ttcattggtga agaaacagga cggctctggtg aagctgcagg ggtccaagca 120
agggaggaag gggctgctcg cgatcgacgc cgagatcttc gaggtgactc cggcctttca 180
cgtcatctag gtgaagaagt cggcaggcga cacgctggag tatgagatgt tctgcagcat 240
gggcctaaga ccttcactca gcgacatctg ctggagcatt cgatctgagg agaacatggc 300
tccttcagtg gttcagccat cacaattgga gccattctat tagaccgtct acgacagttg 360
actcaccctt cttagtcgat tgatattcaa gtgcagctctc ttccggagatg caatta 416

<210> 25062

<211> 394
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-B2

 <400> 25062

 tcacaacaag atggcatgta tagacaatgc aatgagagcc ttgttccttc tagcgctctt 60
 ctgcaccgtg catggtgaga aggcaaagtc aaaggacaac gattcaaaag cgtccggggc 120
 cgggtgggtcc ttcgacatca ccaagttggg cgcctctggc aatggcaaga cggatagcac 180
 gaaggctgtg caggaggcgt gggcatcggc gtgcgggcggc accgggaagc agacgatcct 240
 catccccaag ggcgacttcc tcgtcggacc actcaacttc acaggcccat gcaagggcga 300
 cgtgaccatc caggtgaatg gcaatctgct ggcgaccacg gacctaagcc agtacaagga 360
 tcatggtaat tggatcgaga ttctacgcgt ggac 394

<210> 25063
 <211> 78
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-B3

 <400> 25063

 cccacgcgtg cgcccacgcg tccgcccacg cgtccgcata gactccctcc acgtcgatgg 60
 ctacgccttc ttcggcgt 78

<210> 25064
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-B4

 <400> 25064

 cggacgcgtg ggcggacgcg tgggtcaacg tcaagtccta ggagacgaca tcaggcactc 60
 tgtggcggat ctttaattaa tttcttcttt atttttcatt ctggtgaata aataggtccc 120
 aaagagagag ataaaaggag aaggaaagga gacgtggcag catggccacg ttagtgattt 180
 tttgttcggt gatttttttt tgtaagctat atatagatag agagtagtca tttttaagtt 240

attaattata tagttgcaaa tgcgcacggt aatggatatgc tgggacgccg acgccgaatt 300
 gtcgacggtc atggtttgaa cagcagcggc tttcaaagat agaatttctc catgtatgta 360
 tgtatgatcc gaaagttggg tggcagtttc agtgaatgga cagtgatatt tttt 414

<210> 25065

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G10

<400> 25065

gcagttgtgg gaaatatcag cagcaaaaac attcaggagc caaaaggaaa agcagctctc 60
 atatggatgt tgggagaata ttcacaggac atgcatgatg ctccatacat ccgtctaaag 120
 tcttgagtga aactgatatg aaaagcactt tactgaggtt cgcttgcatc tgctgactca 180
 gagatgaaat gtgtctttaa aagaccctca gagacacata atgcactagg ctatacatta 240
 tcagttggtc tatctgacac ccatcaagat gtcatgaca gagacactat gtactatagg 300
 ctgactcaat acagccctaa tgtagcagat catgtatata acgctctgaa acaagctggc 360
 tctttatatt 369

<210> 25066

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G11

<400> 25066

cgaggcgcga gaaccgactt gccaccggct gtcgcgcgtc tctctctctc cctcggggcg 60
 cgcgcgcgcg ggagacaggc caaccgatcg ccaggccggc agccatgggc aagcacggca 120
 agtgcagcca cgacgtggag gcgtgctacc cgccgggggc agcggggcgc ggcaagtacc 180
 cgtacatgac ggagaacccg cagctgcggt gggccttcat ccgcaagggtg tacgtgatcg 240
 tgtgcctgca gctgctgctg acggtggccg tcgccgcgac ggtgaacctg gtgcgcgcga 300
 tcggggactt cttcctctcc cgcaccatgg gcgccatgtt cgccatcctc ggcgtcatca 360
 tcgcccccat cctcgtgatg atcccgatga tcattttaccg gaagcggcac ccggtgaacc 420

<210> 25067
 <211> 395
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-G12

 <400> 25067

```

cccacgcgta cgcccacgcg tccgcccacg cgtccgaaga tgctaagttg gctccgacgc   60
ttccctaacg atgtgatcca taggaagggg ggcagctcgg gccggaggac ctgctcctcc  120
acctcctgga ggaacaagag cagcagcagc ttcaccgcgc ggatcatccg ttgtgcgtcc  180
tccgtcgttg acacacacca ccagcaccgt ggtgatgatg atgacgacga tggcgatgaa  240
gacgacgagt acgacgactg tcgtctaccg tcgtcgcctc ctaacaacaa cgctagaaga  300
aacaccacca ccaactgctgt catctcggcc cgagccttct ccttcgcgca gctagccgat  360
gccgcaggaa acttccgnca ggacaacctc atcgg                                     395
  
```

<210> 25068
 <211> 459
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-G2

 <400> 25068

```

cccacgcgtc cgttctcttt cactaaagga tagatgtggc ctcacgacca gatgaagcgg   60
ccgtgatgaa gactatgccc gtcggagatc aagcgaagcc actacgtccc cggctcgtctg  120
atgaagactc ttcggtcttc cctcagaga tcaagagaag ccactaggtg aactgtgctg  180
agaagcaaag tcaaacaaga aataaggaga aactggctca ttcacaagac atggagtctt  240
gtctatgaag actgtgtaga cactacacag aaccatatag catgaaatgg aaagcaaata  300
actgaaccac ctttaaatgg aaaaactatt ataataaac tagtcaaggg tgttttagac  360
tttgggtatg ccattatgaa ggtgacgacc tctataaata tcccctaaat atattgctca  420
tagatattga atcaataccc aatagagctt attcttgca                                     459
  
```

<210> 25069
 <211> 463
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-G4

 <400> 25069

 tgcaaatacca tttcttgcct tgccggcaca gctctgcata gtcctccca agcttttagga 60
 ttaggatttg gatttgatt tggatttgga tcgggtgtgt ttctgcgta accatgagcg 120
 agatcatgaa gctaaagcgt gggatcagca ccaaaccagg agaccacctc gtccaaaatg 180
 gccaaacaaca tccatgtcac gaatgggagg agcaacagcg ctactggccc tcgccgcggg 240
 cgccgcgggc gagcccgacg gagtcgcca ggacccagg cgaggagccag aagaaggcgg 300
 ttctgggcaa ggtgaagagc aaggccaaga aatggatgca catgctgcat cacangaaga 360
 aaccgcgcc accggaggag atgatgtgga ccccagggc cgggcctgga cccagcgcg 420
 cacangacag catgcccagc agggaggagc gacacgccgt cga 463

<210> 25070
 <211> 460
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-G5

 <400> 25070

 aacgtgctga tcgacaaagt gacggtcaag gccccggcg acagcccaa cacggacggc 60
 atccacatcg gcgactccag caacgtgacc atcagcagca ccaccatcg cgtcggcgac 120
 gactgcatct ccatcgcccc cgggagcaag atgatccgca tccatggcgt caagtgcggc 180
 ccaggccaag gcatcagcgt cggcagcctg gggcgctaca aggacgagaa ggacgtggaa 240
 gacgtgcagg tgacggggtg cacgatcgcc ggcaccagca acggcctgcg catcaagtgc 300
 tacgaggact ccaagtcgtc gctcaaggcc agcaagttcc tgtacgaggg catcaccatg 360
 gacaatgtct cctaccccat catcatcgac cagaagtact gcccacaaca catctgcgtc 420
 aagtccggcg cctncaaggt ggccgtcaac gacgtcgtct 460

<210> 25071
 <211> 461
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G6

<400> 25071

```
cccacgcgtc cgccacgcg tccgcccacg cgtccggtgg ctgagcccca ggtctgacg   60
ccgccggcgc gttgcggtgc tggccgtagg acgcgagcgg ctttttgatc atctgctgag  120
cgcgaggaggac ctgcaggccg aggacgcctc gcctccggac ggtgggtgat gacgcggtct  180
ggtctggttag gctgcggacc gagggagagc ggggtgtgcct tctcgcccc ttggtgtgct  240
gaactgctga tacgatacga ggagcaggac aggagtacgg agaactacta ctacctacgg  300
ctatgggcga tggctttact cgcgcctccc ggtgtgtccc gagatttttt ttcggggaca  360
cgtacgaatt atgtaacgga gttcgtttcg ccgtgccaca cgcacgagcg gtgtccgata  420
cacctataga aaacgacttt ccatattgcg agttgtgtga t                               461
```

<210> 25072
 <211> 453
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G7

<400> 25072

```
cccacgcgtc cggcaacggc aagaagaccg ggtacgcggt gcggaggcag gccacggacg   60
acgacctcgc tgtgatggag acgctgcggg cggctctccat gggcgccggc gtgctccccg  120
ggagggccgc cccttcgtcg gcgcccagag cggctgcggc tgcggcagcg gacgacgagg  180
tgccctacat gcgcggctgc ttcgaccact tcgtcgggtc ccgggactcg gagtcgctgt  240
acatgatcgc gccgcagggc ggcggcacgg gcccgagct ggccgtcttc ttcgtcaggc  300
tctgacctcc gatccgatcc gccccgcgcc ttgcctctag ctatctctc gccccatgc  360
atgcgaagac ggcccaaccg cccaagggca tccattaacc gccacgacgc cacgtacata  420
aacatcgta gcattcattg gatggtgcaa cct                               453
```

<210> 25073
 <211> 399

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-G9

 <400> 25073

 attcactaac ccaagacaaa acatggatgt gaatgtgaga accatgtggt cgtcgatgcg 60
 ggcacaggtt gcgatggctg tgggtgttggg gttcttgggt agcggcgcat ggtgcgggtcc 120
 tcccaaagtc cccccaggca agaacatcac ggccacctat ggcaaggact ggctggacgc 180
 taaagcgaca tggatatggca agccgacggg tgccgggtccc gacgacaacg gtggtggctg 240
 cgggtacaag gacgtgaaca agccccctt caatagcatg ggcgcatgcg gcaacatccc 300
 catcttcaag gatggtctgg gttgtgggtc ctgcttcgag atcaagtgcg ataagcctgt 360
 ggagtgtctc ggcaagcccc tgggtgtgca catcacgga 399

<210> 25074
 <211> 205
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-H1

 <400> 25074

 cgacaagcta gcgaagaact gttgaagctg tatccccgtg gataggggac ctccgcgacc 60
 gttaccctga gtcgagttgt cacagtctgt atctatcgct cctgaaacct gaggggcctg 120
 tattgtttgt caagcacttt gtttcttctc ttctgtttgt agcctactat atccactgaa 180
 atctaagggg cctgtattgt ttgtc 205

<210> 25075
 <211> 350
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-H11

 <400> 25075

 agctcgagcc agcccgcgcg cctgcgcgca tctctataca ctactactgc ttgatagtct 60
 cgtagagaga tcccgcgcgg cccaataaaa acccgactcg ctagctacgc tacacactcg 120
 cagatggccg gcctcaggat gaagtctgct gccgtcgacg tcatggccgc cgcgctcgtg 180

gcgtccgccg cagccgccga ggcccacgcc cgggcccccg acttcgacgc cgcggacgtc 240
 gggcccccttg ccgcggccct actcgtcgtc ggcgtcttca gctacctctt ctgctagaac 300
 cgcgctggac gcgtggtttg tgcttgattt gtgattcgac tggcgcgagt 350

<210> 25076

<211> 209

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H12

<400> 25076

cgctccgagca cgcgttagct gacgcgtttg ctctcacatc tatacactcg tactgaggca 60
 taggctcata tatagagcct gagcgggtcaa ataaaaaccc gattctatag caactctaca 120
 cactcgaaca tggccggtct aaggattaac aacgaaatcg tcatcgtaat aggcaactaa 180
 ctactaatat aaatgggatg catttaaatt 209

<210> 25077

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H2

<400> 25077

cccacgcgtc cgattacaaa aaacttcagc agtgatgccc tcattggcga gggctcgtat 60
 gccagagtct attttgggtg gctgaaagat gggacgaaat ctgcagtga gaagcttgac 120
 tccagcaaac agcctgatca agaattcctt gtgcaggttt cagctgtctc aaggttgaaa 180
 catgagaatg ttgtccaact cgtcggatac tgcgccgaag ggagcaccgc cgttcttgct 240
 tatgagtatg caactagggg atcattgcat gatatactcc atggtaaaaa ggggtgtcaa 300
 ggagcccagc cagggccagt cctgtcatgg atgcagcgag ctaggattgc cgtatgtgct 360
 gctcgaggtc tcgagtttct ccacgagaag gccgatactc gagtgggtcca ccgagacatc 420
 aagtcaagca acatactgct ctttgaccat gatgttgcca 460

<210> 25078

<211> 374

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-H4

 <400> 25078

 cccacgcgtc cgctcggcgc gaccagcgcgac ggcaagacgg actgcacaaa ggcagtccag 60
 gacgcgtgga cgtcagcgtg cgaagcgacc ggaagcgcca cggtggtgat cccaagggc 120
 gactacctgg tcggccctct caacttcact gggccatgca aggggagcaa catcgccatc 180
 cagctggatg gcaacctgct gggatcaaac gacctggaca agtacacggc gagctggatc 240
 gaattgtctc acgttaacaa catcgggatac accggctcgg gcacgctgga cggccagggg 300
 accgncgttt atagcaggag caagaccgac aacgtgaagg cgatgcccaa cacactgggt 360
 gctgttcacg tgat 374

<210> 25079
 <211> 340
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-F9

 <400> 25079

 caaataaagg cacatctctt gctcctctt tcgcgctgtc cggagaggag gggcaggagg 60
 aggccgcacc aaatctatct ggggatcgga gcgcgggcga caagatgcc a cgcggcggca 120
 agcccgcggc ttcgtcgaag ccgaacccgt tcgactcgga ctcggaactcg gactccagca 180
 ataagccggc gaacaagtcc ggggcgtcgt cgtaccaggc cccgcgcgac gccaaagaagc 240
 ggtacaagga cgggttcgg gactcgggcg ggctggagaa ccagtcgggtg caagagctgg 300
 agcactacgc ggcgtacaag gccgaagaga ccaaggacgc 340

<210> 25080
 <211> 257
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-E4

 <400> 25080

cgcgaggatta ccggtgatct cgtacgatcc cagccgtata cctcgttcca ttcaaaggcg 60
 cccctggcct aggtgactac cagaagcgat ccatacttca ttctcgacaa cgtcaactag 120
 cgacacgtct gatctgaatt acagacacac agaccattca attttcccc accggaacg 180
 ctgcgctctgc aaagcacttc aactacaacg aacacatgtg tcttcgatcg aactactata 240
 agactagaac agcgccg 257

<210> 25081
 <211> 461
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-E6

<400> 25081
 cccacgcgtc cgcaaagata gcatagcagc agcactcaca atagcaaaaa ccaccatccg 60
 tcgtcgccaa ccgtagcaag aacatcacca ccgcccagca ataatggcgc agagcatgag 120
 gattgtggcg ctggccctgg tggccctgct ggtgggtggcg gcggcggcgc ccgtggccac 180
 cgcgtaaggc tgctacgacg actgctacga gcgctgcgcc aacggcaaga aagaccccg 240
 ctgcaccaag atgtgcaacc aggcgtgcgg ctccacggat cagggcgccg gtgccgcgg 300
 cgccgcggcg gcttgatcgc ccagcgcatt catcgcttca gctcgatata atcgctgctc 360
 cgtcagcaac ccacatatga ttcgatcaat tttcctnctc taatttctcg accccgtcga 420
 atntttttcc tttctattct tctactatac tactactatc t 461

<210> 25082
 <211> 464
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-E7

<400> 25082
 gagccacgcg tcacgcgtgc ggcattgata ttaagaggaa gaagaagaag atggctccta 60
 aggagcacgc tctaggagaa gctatcgctc ctcagggaca gctgccacac gtgcggaccg 120
 aggactgcac cggcactcgc ttagacgcatt gctcagcaat aggaggtagt gcacaggcca 180
 aacgactgct tggccacaga tgtgagatct atatagcacg taaatactcg acgacctgga 240

tgacatccaa gcctacacgt agaccttgct ccttcatcat gacacagagt cggtttctgg 300
 cgggtgcatta tacgggagca ttgctaagga gctcgggaac ctagtcagtc tcatgatgct 360
 cggttgagatg gactatgtag tgtcatgacc tatgcgatga gacatatata tttacgcaag 420
 acgtgtgctc aatttaactg acgtgcatgt acatatcaga tcta 464

<210> 25083
 <211> 459
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-E8
 <400> 25083

atccatcgca gctggattga cgaagtctgt gacgccgaac gatctcccta ctctctcctt 60
 gtcaggggttg agatcaacgc cgatgatctt ggatgcgcca cacattttcg cgccttggac 120
 caccgcagct ggacaagcgt tccgtcgtag aggtgatcgt tgagatgacc ggcggcgggcg 180
 tggactacag ctteagtgct atcggcgctgc cgtcgggtgat gaccgacgcc ttcagatgca 240
 ccaagatggg gaagggcaag acgatcgtgc tggggctggg gagggacagc gacgaggtgt 300
 gcctgccgct gctggagctg ctgttcggga ggtgcgtcat ggggtcgctc ttcggcgggc 360
 tgaagcccaa gaccacatt cncgtcctcg ccaagaaatg catggacaag gagctgcagc 420
 tggacgcgct ggtcacgcat gagctgggac tgcangaca 459

<210> 25084
 <211> 414
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-E9
 <400> 25084

cccacgcgtc cgcccacgcg tccgcggacg cgtgggcttc ccctaggcca ccaagcactc 60
 cgcctacaac gactcctctt ccacgtccat ggttgggggc accttctcct gcccggtgtc 120
 ctgcctctcc acggctcgga gcacccctc gtactcctgt tcttccgtct cctcgagtag 180
 gtgctccatc tcccgcacct cctcctgttc gtctccaca gttgggagct ccccttctta 240

ccccgttgc tctactcct cagttggagg atccctctag aggtcctatt cttcctcgac 300
cgctctcaa ggggtgtcca ctttctactc ctccacttgt ggcaccacgg ttaggggcac 360
ccctcccatc cctcctggt ccttcagctc ggaaaggcac ttcaacttct tcaa 414

<210> 25085
<211> 463
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-001-Q1-K1-F1
<400> 25085

caatgtttca tgcacatca taaccattt gaaatttgct tttttttta ccaagctaata 60
ttatgttatt actacttgac catacctgtc cgtatgttgt ttcaggaatt tacagagaat 120
tacttagcag ggccttcgcc atcgttcctt gttccttgga gaattgactg ctttgcaaca 180
gatgtgagat agatttaaaa cttaaattac tccatgatct ggataacatc gaaacctaaa 240
cctaattctt ctcccttcat caacacacaa ggtcgggttc tggcaatgca ttatcaggaa 300
gtattgctaa ggagctgggg aaccttgta atctcataat cctgtaagaa atggactatg 360
tagtgtcatg acctatctga taagaaatat agatttaca aaaacgtgtc ctcaatttaa 420
ctcacgtgca tgtacatatt acaactattc aggtgtgtaa tca 463

<210> 25086
<211> 215
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-001-Q1-K1-F10
<400> 25086

cacacacagc acatacgtg tctcctattc cacgctgacc ggagaggagg ggcaggagga 60
ggccgtacca ggtctatctg gcgacggag cgcggaacgac aagatgccac tcggcgga 120
gcccggggt tcgtcgaagc cgaaccgtt cgactcggac tcggactcgg agtccagcaa 180
taagccggcg aacaagtcg gggcgtcatc atacc 215

<210> 25087
<211> 385
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F11

<400> 25087

```

cccacgcgtc cggcggcggc actgggaagc agacaatcct catacccaag ggtgacttcc 60
ttgtcggaca actcaacttc acaggccctt gcaagggcga cgtgaccatc caggtggatg 120
gcaatctgct ggcgaccacg gacctaagcc agtacaagga ccatggtaat tggatcgaga 180
ttctacgtgt ggataacctg gtcatacccg gcaagggaaa ccttgacggg cagggcccag 240
ccgtgtggag caagaactcc tgcaccaaga agtacgactg caagatcctt cccaactcgc 300
tgggtgatgga cttcgtgaac aacggggagg tgtccggggg cagctgctc aactccaagt 360
tcttccacat gaacatgtac cggtg 385

```

<210> 25088

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F12

<400> 25088

```

cccacgcgtc cgcggacgcg tgggctaaat agaagctata ctgatggccc agaacatgat 60
gattgtggcg gttctcctcc ttgccacctt tcttgtgctg gcaagatcgt tgtgggttcc 120
agaagaacct tcaaatgccg atgacataag aggtgcttgc atataggagt gcaccaaaga 180
aaatacggct cctggcgaca agaatacatg cgaagtgttg cgcaccaagc tcacaaaaaa 240
gcctagcgaa gaaggcacac atgattgatg aagtaccact gcgataatat ataccctagt 300
gtgatcaatg gtcactcttg tagccatgtc tgccacacga tggactcgac tatattgtct 360
gatcgttcag atgatggtgt aactagcat gctaattcct tgctcatata acctaatttc 420
ac 422

```

<210> 25089

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F2

<400> 25089

gaccaacggt gcacttagcc tcacgtctcg agaagttaag aggggttgct ctccacagcg 60

gcatactctc tggcatacgg gttctgtatc cagtgaaggt gacgctttgg ttcgacatct 120

tcaagaacat cgacaaaata aagcaggtgg actgccctgt gttagtcata catggcacag 180

ccgacgacat cgtggacttg gctcacggca agcggctgtg ggagctagcc aaggacaagt 240

atgagccgct gtggatcaaa ggcggtgggc actgcaacct gcagacgtac ccggagtaca 300

tcaggcacac gcgcaagttc ataagcgcca tggagaagct ggccaaggac agcagcaagg 360

cggccaggc gccgccgccg tcgagcatgg ccgccgaaga aagacacacc aagtgttga 420

gattcgggaa gagatgagat gccggcgacc tggacct 457

<210> 25090

<211> 463

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-F3

<400> 25090

cccacgcgtc cgcccacgcg tccgccacg cgtccggttc cgttgcgccc gctaacgac 60

acgcgtttcc ggtgggagag agagtaggta gggagaggac gggacaggat gctcgggttc 120

aggcagatgt cgtggtcgtc ggcggaggcg caggcgccgt cggagcagct gtgcgaaggg 180

gtggcgcccg tcgtggcggc gcgccagggg atggagacgc cgctgacggc ggtggccgag 240

gcgttcgagg agctggtgcg cgggatggac gccgacggcg gcgagctccg cgtcgcgccc 300

ttcagcgaca cctgtgccct cgtctccgtg ctcttcagca gcctcgggat ggccttcagg 360

ttcgccgaga tggagtacgt caccaaagtg aacgatctca tcggtgccgg caagtcgtac 420

cgtacgctga gcgacatnct cgacaaggac atccagaacg act 463

<210> 25091

<211> 459

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-F4

<400> 25091

cccacgcgtc cggggggatgt tcccacgatc acctcggccg caagcaacga ggaggaggcg 60

ttgttcagtg tcggagaatc caccaaggac gatggccatc gcttgacgat ggaatgctcc 120

actcccgtct cctccagtag cccttccact cgcaagaagc gcggggcggt cagcctcttc 180

agggcgatgt tcctgtcctt cggccggagc gacgacagca tgaagaagac agacgacgac 240

accacgagcc ccaagaagag agccatcgcg gctgctgatg acgattgcaa gcctgccggg 300

gacgagtcaa cgtcgtggaa ggcctcgtg gacgggatgc gcccgctccg cctccgcggg 360

cagctggagt actaccgcc gncaccgncg tcaccgtcgc ttggccacgc cgatgtgtac 420

catgacgtga ntccctccggc gccgtcgcag gcacggttc 459

<210> 25092

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F5

<400> 25092

aggtaattgc aaatagggca tctgagatcc ttggacacaa gcgcggtgag aagtttgtgc 60

acccaaatga ccatgtgaat aggtcacaat cttcaaataa tacatttccc actgtaatgc 120

atatagcgac ggccggtgag atacattcga ggtttatccc aagtttgcaa cagttgcatg 180

attcacttca ttcgaaaact attgagttta aagacataat taaaattgga cgtacacata 240

cccaagatgc caccctattg actcttgccc aagaattcag tggctacact acacaggtca 300

aatatggaat tgaccgcatt aattgtacat tacctcggat gtaccagctt gcttaagggtg 360

gaactgcagt tggaactggc ttgaacacct ataaaggatt ttatg 405

<210> 25093

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F7

<400> 25093

cgcgcgacag ggtccagtcg agggccgggg aatcgccgga gaatggaggt gggcagggct 60

ccgcgacgac ggctgtgccc agcggcgggcg gctgtgcctt cgctgcttct gttcgccggt 120
 ctattcgcgg gccggggcggc ggcggcggttc ggccacctgc aaggcgccgg cgccggcgcg 180
 acggcgctgt acaagcacgc gtcgtttcttc gaccgcgacg gcgacggcgt cgtctccttc 240
 tcggagacgt acggcgcggt tcgggcactc ggggttgat tcggcctgtc cagcgtcagc 300
 gctgcgctca tcaacggcgc tcttggtagc aagtgcagac ctcaaatgc aacgtcatcg 360
 aagttggata tctacataga ggacatccag aaagggaaac atggaagcga ttcagggta 420
 tacgacgccg aaggaagggt tgttcct 447

<210> 25094
 <211> 462
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-F8
 <400> 25094

cttgcttggg aacaggctct atcctcttgt tgagaggcat cagcccgaac tcgcgagcaa 60
 aatcactggg atgctcttgg agctcgacaa ctctgaagtg gtcacgttgc tttgctcgtc 120
 ggagatgttg tcgggtcaagg tcgacgagtg tgtccagctg ttgcaggcaa ccaagcctaa 180
 ggctgaggat catgaggcgc tgcaccagc attcatgctg gagcctcggc ctccactagt 240
 aaatgccagt tgatgagggt ctgattgcgc ggatgagctt ctggatgcgc ttgtgtttag 300
 ggatatggta acaagctagt cgctagctgc tgtgttcggt ctctccttct agtttgcgaa 360
 gttttggtgt ttggattaat ctactgagcc gttattgctt tctatatata gaacttaata 420
 gtaataagga ctatatatat tcaggtagaa attttttatt tg 462

<210> 25095
 <211> 461
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-E3
 <400> 25095

cccacgcgtt cgactaggcg tacatcgaga gctgcgcgac cttgtgtgcg aagagacccc 60
 agggagtcca tcgttcaaga aaaataccag cttaccaaca acagcagcag caagcccacc 120

cgttcgacga catggcccggt ctgggcgccg ggcgcgtgtt ggcgctacta gtggcggtcg 180
 cggcgaggagc cgcgttccta gcggtgccgg cctctgcgaa gtccggcgag ctgagcgcgga 240
 tggggttgct ggcggcgaat ggcggcagcg ggcggggccc gcagaagtgc tcgggcgcag 300
 agggcgagtg cgacgtggac gaggcggacg agctcgggct gagcggcggc agcctcggct 360
 ccgacgacgc tgtgcgggcg acgctggcg cgcggaagcc gaccaaccg tacatcagct 420
 acgcggcgct gcgcgcggac catgtgccgt gcaacaagcg c 461

<210> 25096

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H4

<400> 25096

gagcacgcgt acggcgcgca cgacggcttg gctccgcct ccccgcgcg gcgaagccgg 60
 caccgcaatg gcgcgtccgg accttccttc cccgcgtcct cctcctctcc gtcgtcctcc 120
 tcgctgaccc cgccgccggc gccggcactg gttcggagtt cgacgacggc acctcgccca 180
 agttccccgg atgcgacaac acgctgcaga aggtgaaagt gacgtactgg gtggacggcg 240
 acgagcggag cagccttacg gggatcagcg cgagggttcg cgcggtcctg ccggacgcgg 300
 cgcccgacga cgagaagcag cgggccgccg tgcccagccc cgagagcggc tgcgccaagt 360
 cgtcgacgcc gctcgcgggc tccgacgccg tggtgtgctg cggcgagtgc acgttcacg 420
 aga 423

<210> 25097

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H5

<400> 25097

gtctgcgtgc ccaccacacc taggttgctc ttatcgtgct cgtcgttcgg ccacatggtg 60
 ggcccggcca ccgacacacc gccgatcacg cccaccaaga agcaggacga caagccgaag 120
 ccgacgccgg aggcgccac cgcggcgaac tacgcgtcgt tgtggtcgcc caagcgctc 180

atgcagcgcg ctgcccgcgc tttccgcccgc agcagggtcgc gcgcccgcgt caggacggtc 240
aaggacctcg ccgaggaacg ggcctcagtgc ctgcccgcga gcagcaaggc ctatgatgag 300
gcggcagcgcg cggctaccgc ggtgccgcct gcagggtgcca agacctccag cagcaacgat 360
gcccgcgacg gcgccatggg cagcgtgcag gacgagccgc ggcagcagcg ccacgatgac 420
tatcaccccg agatcgtccc cgaaaagatc a 451

<210> 25098

<211> 260

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H7

<400> 25098

aaaaaaaaa aaaactaaaa aaaaaaaaaa ttaaacaataa aaataaataa aaacaaggaa 60
agggaaaaaac tcaaaaaaaaa ataaacataa actactctat aaacaaaact aacccaaact 120
tgcttttctg tctctagctt tagcttatct tgctcacttt tctctcctct tcttttaata 180
cccgtaacac cactcgtact tctaaaattg aaactctttc tctcttgtgg tgctgtgca 240
ccattcttgc ttgctttctt 260

<210> 25099

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H8

<400> 25099

cccacgcgtc cgattatttc cggtttaggc ttggattggt tgtggtagcc tcggcctttg 60
gagttcattc agatcgggtga ttctgcgtc ggccaacagt tttgagggtg taatggcgga 120
ccaggctaac caaccactg tccttcataa gctagggtggc cagtccacc tgagctccag 180
cttctctgaa ggtgtacggg cccgtaacat ctgcctttct ttctcatctt atgaaaggag 240
atttgccacg aggaactaca tgaccagag cctttggggc ctttcaatgt ctgtagcg 300
tggtcatcaat gttccagtga tgccgactcc gctttttgcc aatgctccag ccgagaaagg 360
tggtcaaaaac ttcattgattg atttcatgat gggcgggtgtt tcagctgctg tttcgaagac 420

tgcagctgct cccattgaac gagtgaagct gcttat

456

<210> 25100

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H9

<400> 25100

cggactcgtg ggttctttct ttcttatttt tctctttatt ttctcatca cctttttctt 60

ggtctttctc tattattatc tctacatttt tttttttttc ttcttctttt tttttttctc 120

tctttaaaaa gcatcccctc caatcttttc accaagcact ccttccactt ccactacaca 180

ccccaccaca aaaacaaact ctccctcacc tctctccaga tactgtccac cgtcaccaat 240

ctcaaagcca tcactatgct ctactgcctt caactactgc actcccacat cggctcccac 300

atccccacca ccagcctact ct 322

<210> 25101

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A1

<400> 25101

gaaacaacaa gactgacagc gacgatgatg ccacagctgc gtagcctcgt cgcgctggtc 60

ctcgtggcca cggccatagc cgccgctccc ggcgttgggt ttgtcgtcac cggccgcac 120

tactgcgaca actgccgcgc cgggttcgag aaaaacgtgt cccacgccat ccaaggcgcg 180

acggtggaga tggagtgccg ccacttcgag tgcagcagg tccacgacaa ggcggaggcg 240

acgacgggcc ccggcggctg gtacaggatg gagatcagcg gcgaccacca ggacgagatc 300

tgcgacgtgc gcttgcata gagccccgag gcggactgcg ccgagatcga ccaactccgc 360

gaccgctgcc gcgtcccgt caccgcaac gacggcatca agcagagc 408

<210> 25102

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A10

<400> 25102

ccaagtacat ggtcatccaa ggcgagcccg gcgctgtcat ccgcgggaag aagggatctg 60
gaggcataac tgtgaagaag accggacagg cgctgggtgat cggcatctac gacgagccca 120
tgacccttg acagtgaac atggtggttg agaggctcgg tgactacctc gtagagcaag 180
gcctgtgatt gaatgcatcc aaacaacgac accaacgcca acattaatta attagtagtc 240
tccatgccct gggattgtgc gtggccgctc cgttaaacac caccatcct tcgttcggca 300
ttttttcccc cttgtttata taattttatt gtatcgtttt ggcaaataat tttgtgattc 360
gaccccaaag caagtttggg tgtcttacga tttgtaaacc tggaacaata tataatgtga 420
ttgaactgct ttgtct 436

<210> 25103

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A11

<400> 25103

cccacgcgtc cggagaagag ctgcgccccg ctcattgtcc gcctcgcgtg gcaactccgcg 60
gggacgttcg acgtgtcgtc gaggaccggc ggtccattcg gcacgatgaa gcatcagtcg 120
gaattggctc acggcgctaa cgcggggctg gacatcgcgg tgccggctgct cgagccccatc 180
aaggaggagt tcccaatcct ctcttacgcc gattttctacc agctcgcggg agttgtggcc 240
gtggaggtea ccggtgggcc tgagattccc ttccaccccg gtagggagga caagcctcaa 300
ccccacctg agggccgact tcctgacgcc actaagggtt ctgaccacct gaggcaagtt 360
tttggcaagc agatgggctt gagcgatcat gacattgttg c 401

<210> 25104

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A12

<400> 25104

cgcaaggaga gcaccctcca cctggtgctc cgtctcaggg gtggcatgca gatctttgtg 60
aagacactca ctggcaagac aatcaccctt gaggtggagt cttcggatac cattgacaat 120
gtcaaggcca agatccagga caaggagggc atcccaccgg accagcagcg cctcatcttc 180
gccggcaagc agctggagga tggccgcacc ctggcggact acaacatcca gaaggagagc 240
accctccacc tggtgctccg cctcaggggt ggcatgcaga tttttgtgaa gacattgact 300
ggcaagacca tcaccttgga ggtggagagc tctgacacca ttgacaatgt gaaggccaag 360
atccaggaca aggagggcat tccccagac cagcagcgtc tgatcttt 408

<210> 25105

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A3

<400> 25105

cccacgcgtc cggcggccgc ctttattttt tttttttttt tttttttttt tttttttttt 60
tggttttttt tttttttttt tttttttttt ttttttgggg aacttatttt tcttttgaac 120
aatataacct ctggcttaaa aattttgata ttttaagttg gaaattgttt aaccccataa 180
agtggaacat ttgaatgggc caatgttgaa atacctgtta ctagaccggy tttcagtga 240
aataaaattt caagtctgc caacaaaaaa tatccccggg gtggaaattt atggccccca 300
taaactgcaa ctcatataac ggcttccaat ggcaatccta atttaaaaat tggccttcta 360
actaagggga ctcttggtgc gccaaattga ccgcttaata cccttcagtg gggtcttttt 420
caag 424

<210> 25106

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A4

<400> 25106

cttcgagccg ctctcgtcg acttcgggtt ctccagctc atcagccaca tgcagtcccc 60
gaactccctg ttcgcgtacc gcgccccgga gtgcgcgcgc gccacccccg tgagcgcaat 120

ggccgacgtc tactgcctcg gcgtcgctct actcgagctc ctcaaccggca agttcccggc 180
gcagtacctc cagaacgcc aagggcgccac ggacctcgtc gtgtggggcca cgtcggcgat 240
ggccgacggc tacgagcggg acctgttcga cccggccatc atggcgggcgt ggaagtctgc 300
cctgccggac atgacgcggc tcatgcaggt ggcggtggac tgcgtcgaga cggacctgga 360
gaagcggccg gagatgaaag aggcgttggt gagggg 396

<210> 25107
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A5

<400> 25107

cccacgcgtc cgcggacgcg tgggcgacga ctgcgggtct taggcgacac cgtcacaacc 60
gctgcgtctg caccgtccag aagtgcgcc tccaccttcc tctacgcgca gacaccaatt 120
cgaccacctt cctcgccaac accctcagcc tcgaggagaa cgaggtgtgt gtatcgcgtt 180
catgaaagcc atcgtgcctg gtgggattga attcgagatg tacttctctg tcaggagaaa 240
tggcgtggga tttggtttgt atctcgattc ttctgtgtgc gtctaagtag atcgcgggtca 300
tctgtacagg ctatagattg gtgccttctt ccaatctccc cctctcttag tccccaccc 360
tctccgtctt ccatttgtat attggagacc tataatctgag atatcaccag gtctatcttt 420
tcattgt 427

<210> 25108
<211> 478
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A6

<400> 25108

ttggtgttcg cggcagcgcc agtttgcttc ccggtgatca tggcggcggc ggcggcgcca 60
aaggccgtgc ggggccgtcc aagcgcgcga ccacgtaggt cggctccgcc agaccgccac 120
tccggcctct gtgtcaccgg aaattcgtcg cggaaaatta gtgtgcactg ggcagtgggc 180
agatatgcag ttggttctcc tgtccatgaa caattaccat ctcaaggga ttaagaagct 240

ttcaggcctt gccaaaggaag actgggggat tccaagatga agaaaaatgt tatgatgcac 300
aaggttatag aaaattctag tgaagagaaa taatatcata ccttcctctt aagaaataca 360
tcagcacata accaagagat tccagatcat ctcttctgct ttgctctgta aggaaatgaa 420
gaaagggttaa cccaaattca tctattaagg catccagatt tgtggatgaa tatagtct 478

<210> 25109
<211> 358
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-056-Q1-K1-A7
<400> 25109

gccacttagg cttgcgatcg cgtggcacga tctttgcgaa aaagcaccct ggtctgctgc 60
cgaccgagtc gctaacaatc gatttccatg acacgtcccc gcgtgggtgt cccatggcac 120
tggcgctgct gctctgtcgg aggtccgcgc ctgtgcgagc gtccgactca gcggtcacta 180
cgtgcaaccc ggcacgcaag cggcaagccc agcggggggg gctgcgcggg gatcactcac 240
gggacggaca gacagctgcg agttcagcca ctagatctgg ctggcatgag aggtaagggtg 300
tggtggcgtc tagcgactac tgacacacat gcgcacattg gtccaattct ttgtaatg 358

<210> 25110
<211> 480
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-056-Q1-K1-A8
<400> 25110

cgagaatatc aagatggagg actcagccaa ccccatcttc atcgacatga agtactgccc 60
caacaagttg tgtaccgcca acggcgctc caaggtcacc gtcaaggacg tcaccttcaa 120
gaacatcaact ggcacctcct ccaccccgga ggccattagc ctgctctgca ctgccaagggt 180
cccatgcacc ggcgtcacca tggatgacgt caacgtcgag tatagcggca ccaacaacaa 240
gaccatggct atatgcacga acgccaaggg cagcaccaag ggttgctca aggagcttgc 300
atgcttctag accctccgtc gactgaccca tctctctagt tataattttt ctctcgctct 360
tgcattgcat attagttgct atccattggg aacgcacaac agtaaaacga canacatnca 420

acagctatat tatgttcgac ggtgtaacac cctgaatttt agggataaaa atttcttctc 480

<210> 25111

<211> 488

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-H3

<400> 25111

ccgtctcggg agaatctgtc cgctcgctct nntcctctcc gcctctctgc ggctcctctc 60

gcagaagagg gcagtgtctg cncgcggcgg tcgagcgcga cctcaactct ccctttcgtg 120

ctcttcgcnc tctcaaacgg cccctcaagc cgccaagaaa tggannggag ggcngccacg 180

agccgcgagg aacctgtcag gtgcannngc ggtgccgggc cgccgtctgg aaaccggctg 240

gcgaactgct ncagcaccgg cgaacgatnn gccgagtggg agggacccat gtcggttgaa 300

gaagggatcc cctggtnnng attacatnnn gcttcggatg ggtcctaact acannattcc 360

gcncacccan nagctcnnng tgagactnnn tctggtattc aaggaccctt cgttgatant 420

tgatgggtct ttctcgatgc cgaaaaagag tnaattggat tcttcttcag aaaataatga 480

aaagtttc 488

<210> 25112

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-G1

<400> 25112

aattccggtc gaccacgtc cgacgcgtc gcaggagatc aggaagtttc acaaaagccc 60

tggcaccacg gcgtgaggac gatgtaaact cacaagcaca tctggaacag cgggatcagg 120

agcgtgccgc ggagggttcg tgtgaggatc gcccgcgaaga ggaacgatga ggaggatgcc 180

aaggaggaac tctactccct tgtcaccgtc gcggagatcc ctgccgaggg cttgaaaggg 240

ctggggacca aggtcgttga cgaaaccgat taagctgtcg cgttctccac atcttttagag 300

agttcctagt ttgtatttgc aacagcaaaa ccttttgtat ccaaagaagt ttttgtattc 360

acaaagttgt ctatttctgn cacagaattg catggctagt tttcttttca tctctgccac 420
atccttttct tc 432

<210> 25113
<211> 459
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-G10

<400> 25113

cccacgcgtc cggtttgtct ggtggtacaa atggacattc agacatgtgc tacttctgtc 60
ccagatttaa aaaaacacag aaatctgctg gtgtccttga acagggaaat gttgctctgg 120
atgttgctcg cattcttcta cgctgtanag ctgagttggc tactacagac attactgatt 180
atgcattgga tgctctacgt ggcagcacga taaggaacgt atatttggtt gagcgaccgn 240
gtccagtaca gggcaacttg cacagcaaac gagctgcgtg aaattttaag tttgaaaaat 300
gtccgtatatt gcatcaaggc agctgatctc gtgaccacac ctgcggacga ggaggagatg 360
aggaatagta gaatacatag aagagtttat gaattgttgt caaaaactgc gcatggcggc 420
aacaattaca atggccaaaa ggagcttcat tttgtgttt 459

<210> 25114
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G12

<400> 25114

cacgcggctg cagcgagcag cacgccccga cggaagacga gaccaaggat aaagagcgat 60
ggctggccaa agagaaggct ttcgcgggcg agaacgtcgt acagcatgag atgctcaagt 120
tcgccaagga gtatggtctg gagtctctgt ccaacggcac ggagtgttac aggggcatcg 180
cccgggagtt cgtggacgcc cacaacgagc tccgcgcgcg ctacggcgtg ccgaccatga 240
agtgggacta ccagctgggtg cggcaagcgc ggcgctggtc caacgccatg cgcaaggact 300
gccagatcct acacagcggg cactagtacg gcgagagcgt gttcaggagc tactacgact 360

ggaacgccac cgccagggag gccgtcttat ggtggggcaa 400

<210> 25115

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G2

<400> 25115

cccacgcgtc cgccacaca tccggccacg cgtacgtcca cgcattgcgc caccgcgtccg 60

gccacgggtt ctcagactca tgggcgccat gcgcactgcc atcagcttga tcgtgatggg 120

attcgtccgc ttctttatca agctcatgat gatccacatc aacagacatc atcgacgaat 180

tctgctgatt catgaccgtc actgactaac gagtggacaa cgtcatctgc ctcttgaccg 240

cgcacctcta gcataccgaa tgcactgtgt tgatgtgaac gactagtccc aggggtctacc 300

tggtactctc tcgtgcctga tgtcgaatat tcatatgtga agaagattca cttagatgtt 360

accatgtgca aacagaattg catggctagt tttcttttc 399

<210> 25116

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G3

<400> 25116

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggcg gacgcgtggg 60

gtgaatcatc ccctcgatcg gcggggacgg ggccagggca tgaggcggcg gcgacccgac 120

tcctgccag ctgattatac atccgtttac ctggtattgg cataaggaga cccttggtatg 180

cgtgtaatgt ttgtttgcag ttctgataag gtgtgcaaga aggtcatgc tactgggagc 240

aatgcttgta tctcagtttt gcttctgcgg gttttttatc cacaaattac attgttctcg 300

ttgatcacat ttccataaaa ccatttatca gtaggtcacc atgtagagca aaagaagata 360

agaaaaagt gttcaacaa aaa 383

<210> 25117

<211> 160

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G4

<400> 25117

caatctcatg aggtcctgac ctacagggac cgtaggtacc ggtcgatgtc tacgacttgc 60

ggcacgtcct ccgtttcacg gtaaggccgc ttccagtcca tcagccagcg cccgaagtct 120

tgggagtcgg gacttcttcc gttccttaac ttcttctgcc 160

<210> 25118

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G5

<400> 25118

cgtcgcccgg tcggaagcac caccagctac cagggatgtc tggcgaggag gaggagaacg 60

ccgcgaggct caagatcggc gaagagttcc tcaaggccaa gtgcctgatg aactgcgagg 120

tggcgatcat cctggagcac aagtaagagc agatccagca gcacgcgtcg tcggagtcgg 180

acccgtcgtc gcaggtgtcg caggtgttcg agaagtcgct gcagtacgtg aagcgcttca 240

gccgctacaa gaaccccgac gccgtgcgcc aggtccgcga gacgctgagc cgctacggcc 300

tcgccgagtt cgagctctgc acgtcggca acctctgcc cgacaccagc ggcgaggcca 360

ccgcgctcgt cccctccctc aagtccggcg gcaggttcgt cggcgacccc ggggacgaga 420

agatcgagaa gatgctcaac ga 442

<210> 25119

<211> 167

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G6

<400> 25119

caaactcctg cgggaaacaa ccacactgac catagatata cggctatgca taagggatcg 60

ggtactatct taggttctcg gaatagtcac tgacagcaca atgcctatta tactagccag 120

tttcaatcat tccagactcc acatactagc ctactcagca gataacg 167

<210> 25120
 <211> 335
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-G7

 <400> 25120

 acgtgatcat gttctacgcg ccggtgctgt tcctgaccat cggcttcggc gacggcgcg 60
 ggctgatggc ggccgtcatc acggagctgg tcaacatgtt cgccaccgtg ctgtccatcg 120
 tgtgcgtgga ccgcctgggc cgtcgcgcgc tgttcctgca gggcggcacg cagatgttcg 180
 tctcccagat cgtggtgggc acagctcgat cgcgctccag atcggcacct gcatcgttgg 240
 cgagatgtcc cgctccaacg cctgtctgct ggtgctcttc atctgcctgt acgttgccag 300
 gttegcctgg tactggaggc cgttgatctg gctcg 335

<210> 25121
 <211> 105
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-G8

 <400> 25121

 accaaggtta ccaaaaaagt tgctgttcct acccttccgg ccaataacca tggttctata 60
 aaaaccattt ccttgaaacc taacgggcaa ttgaaaatga ccccc 105

<210> 25122
 <211> 278
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-G9

 <400> 25122

 cgctcctgcc gccgcgcgcc cagccggggg cgaccattct ccggccttct cgttcagcat 60
 cgtggccgcc gacgcagcgc acgcgggacg cgttggtgcg gcgcctcgtg gagacgctcg 120
 cgggggacac catcctctgc aagcgctacg gcgccgtgcc ggccgccgac gccgagcccc 180
 cggcgcgcgc catcgaggcc gaggccttcg acgccgtggc cgccgcggga ggccgcgccg 240

ccttcgtgga ggaggggatc gaggcgctgc agtcctac

278

<210> 25123

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-H1

<400> 25123

gtccggcttc tctcgtcgg aggagaactg tccgctgtcg tgactgacgt tggggaggtc 60
ggcctcgttc ttgatggggc gcagacctgg gcgtcgcgca gccgcctctc ccacgtggcg 120
acgttgcggg agcagtgcgg gagacgacat caggagtgcg gaaggtggag gggaatcaac 180
cactgcattg gtgtagattg gcgggcaacc tgtccgggct gccatcgtcg gacggcgacc 240
aaatctaggc agcgcgggtg ttggtggcct ccaacgaggc ctctcctcga ctgacgtggt 300
ggacgcgaca gccatcgagc gcanggtgga gataatggtg ttctcgaaga tcctcgcgtc 360
gcgcagcaca catagttaat ctaatctcgg gacacgcgga ccgttcgagc ccaagggcc 419

<210> 25124

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-H10

<400> 25124

cccatgccat cgcggcgctt accccaccgg tcctgctccc gncggtagt agtagcagag 60
cgtccccggc cgtgccgaga atagatgggg ttccgggtcct tcgtcggggc ggggtgctctt 120
cgtcgcgctt ttccttctct ccgnetacca ggagttaaat gaatttggcg ctgatggtgg 180
gccagcagct aaggcccttc agcccaagtt caatgtgttt gtaaaaaata tctctgcgca 240
tctgggagta gttgtgccgc acattgagtt gaagcatgtg attgctgcta caattgctct 300
taagggactt ggaagtctcc tttttatatt gagcagctcc ctccgtgctt atctcctgct 360
gctgtacctc gctctgatca cntctatcgt tcacgacttc tacaactacg acacggagaa 420
ggaagaaatc gcgcggctgt ttgcgaagtt ca 452

<210> 25125
 <211> 313
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-H11

 <400> 25125

 cccacgcgtc cgctcgctcg cgctcatggc gcgctccatg ggctcaaca ccgtcatcgt 60
 gcgcgagcag gaggaggagc tcgacattgt cgctcaggcc agccgccgtc tcggcgtgcg 120
 ccccgctcgtt ggcatgcgcg ccaagctgcg caccaagcac gccggccact tcggctccac 180
 gtccgggggag aagggcaagt tcggcctcag cgccgcgcag atactgtccg tggtcaccaa 240
 gctcaaggcc atcggtatgc tcgactgcct ccagctgctg cacttncaca tcggctccca 300
 gatcccgacc acc 313

<210> 25126
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-H12

 <400> 25126

 cccacgcgtc cgtttcttaa cacaaatgat gtcacttgct atgaaaatcg ttggggagaac 60
 gaggacagcg gatttttggc atttacgata catgatcaca gttctggtgg agacatctat 120
 ttggcattca atgctcatga gtattttgtg gatgctgtaa ttccgccacc accactccat 180
 atatcttggga atcgtgtggt ggataccaac ctggaatcac caaaggatat tgtcccagaa 240
 ggggtgcgca ttcacaggtt cagggtagat gattgctccg tactcttaca tcttgcttaa 300
 ggcaaagcct tagaatggcg gatgcaagtg attctgaagt gagcacgaat aatggtggtg 360
 tgatccctaa ctttgcaagc tcttagccaa ctgtactgca agtatagcaa actttggtat 420
 g 421

<210> 25127
 <211> 463
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H2

<400> 25127

gcgttcactc gtctgtttca acaacatctc caccctcctt ccaaagacca ccatgagggc 60
tccgggtctc tactcgctgc tcaacctcgc caacgtcatc accgtgcctc tactactcta 120
cgtccatgaa catcatccgg cacacacaat ttcgacagca aggctgacaa agaaactgct 180
gctactaccg cgtctgacga tgagcataac tgtatcaaca ccatatcctt cgacacatac 240
tgaccactcg acatgatcgc caacaagccc aacgaacaag tcttgaacgc acaagctacg 300
ccggcgacta aactgacac atattaccac aaaccaaacy gtcaataaca atctgaaact 360
gacacaggca acgctgctga ctatgaacaa gccgacagat accatgcagc tctaattcct 420
gaccacacac cctatgaatt tcccataaat atgtggaagc tct 463

<210> 25128

<211> 295

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-F9

<400> 25128

cgactgcttc atacacatat atagcagtcg acgaaactat acatcgtcgg tcatcaaatt 60
gggaggtata cccatgcatg catgcatcaa atcgatcatg catcccatgc atgcatgtat 120
gatgtatcag tgattcagga tcaccggccg tcgagcgagc agtctcccaa ttccacccaa 180
taactaataa catctcctcg aacgccaggt tccttggacc actatatcca ggagcgacga 240
agtgatccac ccgccagcca tggagatgaa gaaggtcctc tgcgcgcgcc tcgtc 295

<210> 25129

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E6

<400> 25129

gtagcgagct tcttggagcc ttgaaatgag tagtagtggt agcctagcca ccacgagtag 60
gaagtaggca ctataggcac taggaagtag ctaaagcagt cataaccatg ggttcgctgc 120

cgccggtgga cgggcagaga cgccccccac acgttgtgat gatcccgtag ccggcgaggg 180
gccacatcac gccgatgctg cagtttgcca agtcctcca tactcgcggc ttccacgtca 240
ccttcgtcaa caacgagttc aatcatcgac gccacctgcg tgcgcgaggg cccaacgcgc 300
tcgacggcac ggatgggttt cgcttcgccc ccatcgacga cggctctccc ctctttgaag 360
cggacgccac ccaggacatc cccgcgtctt gccactccac cttgaccacc tgcctgcccc 420
ggtttaagga tctcatcgcc aggattaacg ccgaggctg 459

<210> 25130

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E7

<400> 25130

acgtgatcat gttctacgcy ccggtgctgt tcttgaccat eggcttcggc gacgacgcgt 60
ggctgatggc ggccgtcatc acggggctgg tcaacatgtt cgccaccgtg gtgtccatcg 120
tgtgctgga ccgcctgggc cggcgcgcgcc tgttcttga gggcggcacg cagatgttcg 180
tctcccagat cgtggtgggc acgtgatcg cgtctcagtt cggcaccgcc ggcgtggggc 240
agatgtcccg ctccaacgcc tggtgctggg tgcctctcat ctgcctctac gtcgccgggt 300
tcgcctggtc gtggggggccg ctgggctggc tgcctccctc ggagggtgtc gcgctggagg 360
tccggtcggc ggggcagagc atcgccgtgt gcgtcaacat gctgctcacc ttcatcatcg 420
gccaggcctt cctcagcatg ctgtgc 446

<210> 25131

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E8

<400> 25131

ctctggtgtg cgaagatact atgatatgag cataaatcat caccatcagt ctgtgcatag 60
gccacccccg aatttaggtg ttgattctgg ttatgtcttc gcatcaaata tgtacaatcc 120
ctgcatgtca tcaacatcaa tgaacagaca tgtttctcat gctcagagct ctggatcacg 180

gaatcaagag ttgcctcaaa accaagtccc aggaactatg gatgagagta gcagaaatga 240
 cagtattggg gaaagtgtc gagagcatat tacaaggaaa aatgctgcac ttgctggaag 300
 ctatcatttt gttaatggat ttgcaagctc aagctcatct tctcatgcac ctcacaatcc 360
 tatgcttggg ccttgtgacc cttcttttga atcaactgca tcttctaata ttgcaccatt 420
 caacccatca gaatatcatg gacac 445

<210> 25132
 <211> 377
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-055-Q1-K1-E9
 <400> 25132

ctccgatcca tcaacaatcg ccgagagcga tcgagagata aataaagatg aagaaagtgg 60
 cgtcategtc agccgttctc ttcgtgctag ccttgacgct agtttgtgcc ccgctgatag 120
 cagaggcaaa gaagaagaga gtcgccgccg ccgccgccga ggagaagaag gtgcaggaca 180
 acttctgtc gacgctgtgc gagggcagga aggggatgga cctggtggtg tgcaaggagt 240
 cctgcgacct ctcacagcgc tccaacctgg tgctgtacgg ccggatccag tgcaagggca 300
 agtgcaccga gcagaagggc atcacgcgc cgcaaatgaa ggtgtgcca gaggcgtgcg 360
 acaaggacta cgtggtc 377

<210> 25133
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-F1
 <400> 25133

acgnccacgc gtccgtccag gcgtccgcc acgcgtncgg caaacaccag ttttctaccc 60
 taagcgcaag gaccagatg cataataaaa ggtgaaagct agcagaagag gtacctaaact 120
 ctaccctact atagagaaaa agtcagcaca ttgcaagcaa taataatgga gacgacgacg 180
 aagctccggg ggagccggcc cggctccttc ctctcgtcg ccgcggcggt cctggcgctc 240

gacgtcgcgt caggcgtcaa cgtcggccag ttcgacgacc acttgacagaa gcggaaggag 300
 ctgcgccgagg cgtcagcgag ggaggcgtac aggccccgacc cgtacaacgt caccaacagc 360
 ttcaacgcgcg acgtccacag agctgtcagc agcaatcggc gtgagatgcg ggagaggccg 420
 aagaagcaca agaagaaggg cccg 444

<210> 25134
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-055-Q1-K1-F10
 <400> 25134

agcgagcgct acgacgccac tggccatgga cgagggtat tccaacctgc ccaccagcca 60
 ggtactcggc tccgtgcccc ctgtgacaca agatgacagg agattggggc ccgcgcgcgt 120
 ccaagatgca gctgccacct ctaggttgca ggagttcccg cctggagggtg gtaatggcgg 180
 agggatatcgg ccaccagggtg gccctgcaga tggagatgcc gatatccacg cagactggaa 240
 aggatacttc aatgctgcat cttatgctcc atacttcaat gttgatactg atgttgtagt 300
 tgacaggctc attagctcag tgtatccaat ggatggctat tacaggataa ttgatgctaa 360
 tgctgacatg tatggctctg tgtggatcac cactactctg atcttcatgc 410

<210> 25135
 <211> 447
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-F11
 <400> 25135

aaagaattcc ctcccctagc cgccgccgcc gctcgtctcc ctgagagggtg ccgggaccga 60
 ggatttgggc gagttctagg tagagaatcg gttttacttg tctcagcccc gggctctgctg 120
 cgtctggtgg tgggtgaaggg gagaaattcg tgagatctgt tccggatcag gcgtgcgagc 180
 tcgggaatca ggggtttcac acatagcttc gtcgatttga atttgatgta ctaatggagt 240
 ctaagggtgg caaaaagtct agcagtagtc gttctatgat gtatgaagct ccccttggct 300
 tcagcattga tgacgttcga cctgccggaa gcctgaagaa attccagtct tgtgcttact 360

ccaactgcgc gaagaaacca tctgatatac ccttttggct tcctcattct agtagtttag 420
gatntctttt ctgacacttt gattctg 447

<210> 25136
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-F12

<400> 25136

atacagctcc atacacttac ataccacgcc tctaattctat acaacatgtg tcatcaccta 60
ggttctgggt ccacatgcat gcatacttc aatattactc gcacagatg catgcatgct 120
tcatatatca atgattaagg ttaaacttc atcaaaccat cactctatca attgtacca 180
actactaatt acatcttctc acacataact ttcttatac caatatcttc tactactaca 240
aactaatcct ccctacaacc atagatatta acaatgtatt atgtactaat ctcgtcttag 300
ctacaatcat tcacgacctt a 321

<210> 25137
<211> 394
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-F2

<400> 25137

catgcagccc ggctgcagcc cctgtcggc ggccatccag gaggatgacc accagccttg 60
gggtggggga agcaagtcgg gctgcggcct ctctcccacc ctcagcttca aggatgttca 120
tcatcctcgc tggggcgga ggtgcgtcga gccgggggtt tgcctcccgc gtgggccagc 180
ggcccgttc ttctccagc attcgcggga ggagaggggt tcaccagcca tgcaaaggag 240
gcgaacttca gctacgcggg gccggccagg tgcagcgct gacagctgcc gcgtgcctgg 300
ctcttggcct aggtggcctt gccgacgnc cgcacactgc ctactgccgc taggtctgng 360
cgtggttgtc tgtccaccat acgagcgaca gtcg 394

<210> 25138

<211> 451
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-F3

 <400> 25138

```

cccacgcgctc cgggtgcgatg gaaggcagag ggtgacggcc aggaggaagc ggtcaataag   60
agacagggga aaatttgccc aaaaaaggac tagaataaca gtcctgatcc gaccatgtcg  120
tcgtcggcgt tcggcgactt cgggtccgctc accgagcgcc gccgcgccga aaaggcgcg   180
cagcagcgca ggcgcacat gatcgccgcc gggactatct ccatcatcat catactcatc  240
gccatgggca gcgccgcggt catgtacagc gggaagaagt cgtccagcga cggtgccac   300
aagtctgctt ccaaaggcaa gtcgagcggc gggtcagact cggactcggg agcggaagcg   360
gaagcggaat cggaagcgga atcggaatcg gggtcggaat cgaagacgaa tctgaaggcc  420
gtgtncaga gcantcaagc gatgtgctcg c                                     451
  
```

<210> 25139
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-F4

 <400> 25139

```

ctggagccgg tcatggcgcc gtcgtcgtcc ctgcccgga gcgccagcga gctacccgac   60
gcgncgtcac cgttcagctc caacacggcg caccaccccg tctcgtgcc caccacacct  120
aggttgtcct tatcgtgctc gtcgttcggc cacatggtga ccccgccac cgacacaccg  180
tcgatcacgc ccaccaagaa gcaggacgac aagccgaagc cgacgccgga ggccgccacc  240
gcggcgaaact acgcgtcgtt gtggtcgccc aagcgctca tgcagcgcg tgcccgcgct  300
ttccgccgca gcaggtcgcg cgcgcgcgtc aggacggtca aggacctcgc cgaggaacgg  360
gcctcagtgc tcgccgccag cagcaaggtc tctgatg                                     397
  
```

<210> 25140
 <211> 449
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-F5

<400> 25140

cggccctect gtccccggag gtcaccgccg cegtcttcgt gggcggccat accggccacg 60
aggaatagca tcaagtcggc tatcttctcc ggccatcggt cgcaccccca cgtgggggag 120
gcggcgggtcc cgcagcagca gcagctgggg agcaccgctt cgttccactc gacacccatt 180
ctgcagcgga agcacaagac ccagtggcac aacagattca actattatac gagacgtagg 240
aggaaccgag aaactaaaag gtcaatgcta cggaacatgt cagaatatgc agagtctctc 300
tttcagagtt ggcgtgatga agatgagaaa aatgctgcat ctgctggggc ttcattggtt 360
agaggacatc gttgggtcag aaattcaagc aacaatgggt tccgtacaca cgatttttat 420
taccggaatt tcanaagcaa aggaggatt 449

<210> 25141

<211> 399

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-F6

<400> 25141

ctcactggaa ggcgcggac ctacgacccg cccaaggcgg cggcgccctc aggcgagctg 60
tggtcgtccc agcagaagcc ggggcccggc gcgggcaaca ccgacctggt gaccgtcgtg 120
gggtcgacgc cggagggcga gtggctgaac accgtggtgg accgggacct gcggggcgag 180
gaggaggagg acacggagga gatggtgaag ctgatcaggg tcggcatggc gtgctgcgag 240
agcaacgtgg acaaccggtg ggagctcaag accgccatcg agaggatcga ggagctcaag 300
gcgaaggagc gcnccgacga ggagcaagcg acggtgatcg acgatgacta cagcgatgtt 360
gccttcaact gatcatcgac acgaaccggc cgggaatcg 399

<210> 25142

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-F7

<400> 25142

cggacgcgtg ggcggacgcg tgggcgacg cgtgggtgac cttcgtggac actccaggag 60
gtgtatcagg ggagaagcag cggacgcagc gcagctacga tttcaccgga gtcacgtcgt 120
ggtttgccgc caagtgcgac ctcatccttc tctgtttga tccgcataag ctggacatca 180
gcgatgagtt caagcgtgtg atcgggtctc tccgcgggca tgatgacaag atacgcatag 240
ttctcaacaa ggccgaccaa gttgatgcac agcagctgat gagagtgtac ggagcactgc 300
tgtggtcgct cgggaaagtc ctgaacacac cagaagtcac gcgtgtctac ataggttcat 360
tcaacgacaa gccgatcagg gagacagcgg ctgggccgct gggcatggag ctgttccaga 420
aggaacaaga tgacttgctc tcg 443

<210> 25143

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-F8

<400> 25143

accaaaccag cggcaccacc catggcttcg gcggcgccga gatccggtct acgggcgctg 60
gcggagcgcg ccgccccgtt gaggcgcgc atgtcctcct ccgtccacga cgacgcctat 120
gagacggcca agtgggagaa gatcacctac gccgggatcg tgacctgcac cctgctggcg 180
gcgtacaacc tgtccaaggg ccacccccac ttcgatgagc cgacggcgta cccctatctt 240
cacatccgca acaaggagtt cccatggggc cctgatggct tgtttgagac gaaggaccac 300
cactgagccc tgattagcac accttcaaga gctggtgcac gcttaaaaga gttatatgga 360
tgtttcagtg attctacttt tccctcgaga cctatttgct gcaacatgaa ataagaatga 420
ccagactctg gtatcgacag tgaggttcta actgtgttag ctg 463

<210> 25144

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E5

<400> 25144

cccacgcgtc cgcgggacgcg tgggctgacg cgtgggcctg aacaaccggc aggtgtgcg 60

gtcactctg ctcaactcca agttcttcca catgaacatg taccggtgca aggacatgct 120

gatcaaggac atgaccgtga cggcgcccgg cgacagcccc aacacggatg gcatccacat 180

gggcgactca tccggtatca cgatcaccaa caccgtcatt ggcgtctgtg acgactgcat 240

ctccatcggc cctgggacct acaagggtgaa catcacggc gtgacctgca gtccctggcca 300

cggcatcagc atcggcagcc tacggcggtg caaggacgag aaggacgtca cggacatcaa 360

cgtcaacgat tgcactctta agaagacgat gttcggcgtc cgcacatcaagg cgtac 415

<210> 25145

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D12

<400> 25145

aaggatcctg tcgtcaagggt gatgtccaag ggaacgccta gacggaaggc ggagctagaa 60

gatctggtgc tcatgttgct cacaattaat gccatgcaca tcgagacgag gtcgctcgac 120

gtcatgacat ccagggtgcg catggctgat caagttatgc atcttaatga gaagaagatg 180

ttccctactg atcacgacaa aggcaacaat gtatgggtcc ttgacacacg ggctagcaat 240

cacatgaaag ggagtctcga ggcgctcgcg ccaactcaaca tatctgtgcg cgacacaatg 300

cgtattggcg atggatcaact cgttgagatt gacggtattg gctatatgat gctctagacc 360

aagacataga gctataaaga gctcgttgaa gtctacttta 400

<210> 25146

<211> 459

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-D3

<400> 25146

ccgtccgctg gacgcatggg gcaccanggg cggtcttagt taatgttgga cctgggtaca 60

atgggcgaag tcgtttcgat ggtgctaggc gtgtctcttt gcgcattttg gggataaact 120

cttgaagcag tatgttgacg ctgaccctgc aatcaaggac gaggtggtcg acagctccct 180
tgaattcctc atccttgcta gtgatggact ctgcgatggt gtcactaatg aggaagctgt 240
tgccatgggc aagcctattc aggacccccca ggaagcagca aacaagcttg tcgaagaagc 300
gtcccgaagg ggaagctctg ataacatcac cgttgtcatc gtacgcttgc tatatggaac 360
taccggtgat aaatcacgcg cagacaaaga gaccaccaat gacaaaaact cctaattacc 420
tactgtatgg atccctcatg cgtgtgaagt cttctggct 459

<210> 25147

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D4

<400> 25147

gtcatgcgta cgcacctaca tacgcatacg catgcagtat acgctgcact atgogctgca 60
ggacaggccg cacatgctca ccgctgtcat gacctcgcc acctcgactt gcacctcgac 120
tcggcccttg acgtcgccct tcacgcccac ggggaggtc acagctgctg cgccagctgg 180
tgcagcggcg agcgactgg tcaggtgtct gcttctctgc ctgcacatcc tctgcgcat 240
ccttctctc atctttcact ccttcttcta gactctctcc atgatcccg acatcctcct 300
ggactacttc ctatccgact tgggtctacg tggagcgctc ttctgtgcgc tctcctatt 360
cctgtggctg tttctgttcc ggcttgccct tgcgctgccg ctgccgctcg cgctccga 418

<210> 25148

<211> 428

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-D5

<400> 25148

ctcactcgtg cgtattgaca cagactcacg gaaccggac acgagcacat acttgctgca 60
gtgttgacgc ttacgtctgc ttcggcgta tgattggtgc tgctaagtgc tccccgtacg 120
atatgcagac gtacaacctg atagacacgc agagctggca cacgatccac gtgtacccgg 180

ccgacatgga cgtggagtca tactgacatc acgacatacg ctggcatgtg ataggcagac 240
 agttccaaca tcctgggagc ggcactacca tgcgtgagcg acctctacat gagcctttct 300
 gctagcctgc accgattact actactagga gttcctgatg gctcgactac tgattacagg 360
 tgccctcanag acggctggct tctgctgcac gagtcactac ggaggcacac gctaaaacga 420
 cgaacgac 428

<210> 25149
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D6

<400> 25149

tttttctcca gtcttgcggt cgccgggtcc ttgtgctagg atggccgagt gcagggcggtg 60
 gtggggaaat catgggagaa ggagaaagtc gctgggggtcg tgcaagcgct gatggtggcg 120
 tgggtgttctt ggagagtgac catgatgcct catcagattg cgtcgcatgt cttctgcgtc 180
 tagtcgagca aaaagggaaat ggctggtgag catgcagttc ttcgccaaag cagacgcac 240
 aacactgaac cgctgctcgt cgcgagcagc gctgttggcg cccatgcttt tggtaagaa 300
 catgtaccac aggatgaggc gcttggagga tgctgcgatg tgttcgtgag aggtctaggt 360
 cgtcgtctcc cagtcaactt tgggttgctg gaccgttgct tctttataat gtaattattt 420
 atttattttg gatagaactc ctgttatgta gtaa 454

<210> 25150
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D7

<400> 25150

cccacgcgtc cgcatctgat cactcatatg tatcacggaa gcatgaggag gataaggtga 60
 tgatctttga gagaggagat ttggtcttcg tgttcaactt ccaactggagc aatagctatt 120
 ttgactatcg cgttggttgt ttcaagcctg ggaagtacaa gattgtttta gattctgacg 180
 atggcctttt cgggtggattt agtcggcttg atcatgacgc tgagtacttc actgctgact 240

ggccgcatga caacaggccg tgttctttct cggctctatgc acccagcaga acagccgtcg 300
 tatatgcacc tgcaggtgca gaggacgaat agggcacagc agcggttggt ggggaagaac 360
 ttcagaggga tgtactgctg gtggactgac accactgcca cgcgcgatgc tgccagatgt 420
 tgccctcgag accacgtggc 440

<210> 25151
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-055-Q1-K1-D8
 <400> 25151

gttgccaaag aattccctcc cctagccgcc gccgcgctc gtctccctga gaggtgccgg 60
 gaccgaggat ttggccgagt tctaggtaga gaatcgggtt tacttgtctc agcccggggg 120
 ctgctgcgtc tgggtggtgg gaaggggaga aattcgtgag atctgttccg gatcaggcgt 180
 gcgagctcgg gaatcagggg tttcacacat agcttcgtcg atttgaattt gatgtactaa 240
 tggagtctaa ggggtggcaa aagtctagca gtagtcgttc tatgatgtat gaagctcccc 300
 ttggctacag cattgaggac gttcgacctg ccggaggcgt gaagaagtgc cagtctgctg 360
 cttactccaa ctgcgcgaag aagccatcct gatatccctt ttggcttcct cattctagta 420
 gtttaggatt tcttttctga cactttgatt ctga 454

<210> 25152
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-055-Q1-K1-D9
 <400> 25152

cggacgcgtg ggcggacgcg tgggttcttg cttctgctta ctgcgatgag ttgccacgag 60
 ggggtcttga agttggtctg accaactatg cagctgccta ctgcactggc cttctgttgg 120
 ctgcgcgtgt gctcaagacc cgtggtttag ataaggaata tgagggcaat gttgaggcca 180
 ctggtgagga tttctctgtt gagccagctg atgagaggag gcctttccgt gctctcttgg 240
 atgttggcct tattaggact acaactggga accgtgtctt tgggtggcctt caaggagact 300

ctggatgggtg gcctggatat tcctcacagc gagaagaggt ttgctggttt caagaaggat 360
gacaagcagc tggatgctga tatccatcgc aagtacatct atggtggcca tgttgctgac 420
tacatg 426

<210> 25153
<211> 370
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-E1
<400> 25153

nccacgcgtn cgccacgcg tccgcccacc cgtccgcca cgcgtccgca aaagaagtcg 60
ggtaatgctt tcgatcgaat taggcgcctt cttcgtccca cgcgtcgtct ttatttgtaa 120
tctgaagctt acaggaacat ttgagtggat catggacgga ttggtaggcc tcttgaaagt 180
ccgggtgggtg aggggcatca accttgcta ccgcgacgca agaggcagcg atccgtatgt 240
cgtcctacga cttggcaaga agaaacttaa gacgagcgtg aagaagagat ctgtgaaccc 300
catctggcac gaggagctaa ctctgaccgt cacagatccc agcctagctc tgaagctgga 360
ggtgttcgac 370

<210> 25154
<211> 420
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-055-Q1-K1-E10
<400> 25154

cggacgcgtg ggcggactcg tgggcgagtc tgcggaatta tgaaccttcg gatgtacctt 60
gtgatatgtc atctgtttcg aaggaaacaa aatcccaacc ccttgcgag aaaaagtcta 120
caggcaagaa atcagcaggt ccagcatctg ctgtcagtg ctctgtttct acagttgatg 180
ctttcgtatg agaagcttct ttcgtctatt ccggaattcg ctgatttttg aaagcttttt 240
aagtcatctg tacctgtaga attgactgaa gctgagaccg aatactcagt gaatgttgtg 300
aagcatatct ttgatcgaca tgttgctgc caatacaact gtaccaatac aattcctgaa 360
caattgcttg aacagggttat tgttttggtt gatgcttctg aggctgacga attttttagaa 420

<210> 25155
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E11

<400> 25155

```

cccaactcgtc cgttctatct ttcaaactgt acaagaaggc tccaatttg aactcatgcc   60
tgagggatct atatgtggag cggatgcgct tcgaagctat gaaatgcatg tctaggatcat  120
atcgcccaac tgtacctgtg ggatatgttg cacagatttt ggggttcatg agaactgata  180
caggctgtgc aaccaatggg gatgatggat tagaagaatg cgaaaaatgg ttgaaagcgc  240
atgggatagt tctttcagaa ggtaacagtg gggaatcaca aatagacatg aatgcttcgt  300
cttctacact ttacatgcca tatccagata atgcggttgc acatggtgat gcatcacttg  360
ctgttgatga ctctttggca cggactgact gacatcttaa aaggt                      405
  
```

<210> 25156
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E12

<400> 25156

```

gcaagcgatc gtcggagcag agagagactt cctcgcttgc atcccatccc gccgccgccg   60
gggtctacgt cgctaataag cagccgcacg cagggatgga gatgaagaag atcgcttgcg  120
ccgtctcat cgccgcctcg gccaccgtgg cgctggccgc ggaggcgccg gctccgtctc  180
ccaccagcgg ctctcccgcg gtcgcacccg ccacgtctcg ggccgccgtg gcctccttct  240
tcgcgtacta cattcactga gccgccggac gaggagccgg agccggaggg aagagaccaa  300
gggtgggggga gagacttggc tgcgctgcgc tgctctgctg ctaccgcgca ttcccgatgc  360
gtgggcgtgc tctgattgcg cacggcggtg gcagtggcac accttcgtc                      409
  
```

<210> 25157
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E2

<400> 25157

cccacgcgtc cgccacgcg tccggcgccg gcgggcggtg ccagtgccac cgcgctcgcg 60
gcggccgtga acattaagca gccgctgcac ggcgcatcga cgctgttcgc gctgctctct 120
ctctcgtcgc tctgctccg cctgctcctc cgctccgcc tggccgcctt ccgcgacgcg 180
gcgctgtcgc tccacctgct ggcgcgcccta cgctacgcc ccgtcctcct ctgcctcccg 240
gcagcctgcc acgacggcgg cgccggcgcc ggcgccacca cgctgcgcgt ctggtgcccc 300
gccaccccat cctccaagcc gccgctgctc ctctacacg gcttctgcgg ggacgccaag 360
tggacgtggg cgccgaacc tccgcgcctg tcccgccact tccacgtgta cgcgccggac 420
ctcgtgttct tcggcgcgca gtcc 444

<210> 25158

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E3

<400> 25158

gaaagatgtg gcgctgaatt tctgaggaa gtccttaaac aagcttgaga atccaaatga 60
cgctctggcc ttattgttag ctgctaagat atgcagcaag gagcgccatc ttgcctctga 120
gggtgtcgaa tacgcaagaa gagtaatcgc ctgtgccgaa tcatcggatc ctcatctgaa 180
gagcgtcggc ctccatttct tggggagctg tctaggcaac aagtccaagg tcgtttcgtc 240
ggactaccaa agatctctgc tgcagacgga gactctcaag tcgcttgag agtcgattgg 300
ccttaaccgc tacaacgccg acctcatatt cgacatggga gttgagtacg ccgagcaaag 360
gaacatgaat gccgccctga gatgcgcaa ggagttcatc gaggcaacgg gcgggtcggg 420
ttcgaaagga t 431

<210> 25159

<211> 349

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-E4

<400> 25159

gtcgactcgc acgcgtctcg tggcacgttt caaatctgtg gcccctctgc nngttcgaga 60
tntgatctg annctggca ccagtcaccac ttgcgcgca tgggcggagg gactncgtga 120
gccgccaagc cccaatctca ctggcaaagt tcggcggtag tgccagaagc tcgcctggcg 180
agcctcactc nnaccatcgt aggagaatct gnntcgtcga ctctcgccgt aaagcccgta 240
cgagaatnct cgcactctncg tggctctgtct gctactctca cgttctgtcc actactctng 300
atatcactcn nttctggaaa gggctaagag ggtggcaccg nngtggttt 349

<210> 25160

<211> 361

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D10

<400> 25160

cggaacgctg ggcggacgcg tggggacgac gaccacctcg ccgtcgccca tgctgctcgtt 60
gggggactgc tccgacgcca tcgtcctcaa cagcaagcga cggcgccacc ggctgcctgc 120
cgccgcttca tcctcctcct cgcacagcag cagcaccaca cagaaagagg aactggaaga 180
cgaggaggag gacatggcca aatgcctcat cctcctcgcc cagggccccg ccgccattga 240
ggcagctaga gtaatgccgg caccctctag caggccaaag agcacggtga gccgcagggt 300
cttggccgcc gtcgaggcca gaggtggtgt gtgctgtctg tacgaatgca agacgtgcaa 360
c 361

<210> 25161

<211> 93

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B4

<400> 25161

gacgcgcact gtaacagcgc attaagecgt gccactgtgt tctatacgcg tatcgagacc 60
aatgtctttg tcagcaccat agtttatgat tct 93

<210> 25162
<211> 176
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B6

<400> 25162

cccacgcgtc cgccacgcg tccgatcaaa ggaaaaaatg aaggcctatc aaatatgtca 60
tgaggcactt attatataac gtcgtcaatc catttcttaa ctcttctctt ttaaacaaca 120
gcgaagtctc actataacta tatattcaga tgactaatac tcagaacgat gatgac 176

<210> 25163
<211> 411
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-B7

<400> 25163

cgagaggaga accagcagcc tccaataaga gccagccaga gaaactaata aaactgtcgc 60
ggccgccatc cgagcgaaca agccaaccga ccccgctccc aaggcaatcc gccgccgacg 120
taccaccacc accgcaggag cgagatggag atgaagagga tctctctcgc cgtcctcgtc 180
gtcatcgccg cctcggccac cgcagtgtg gcctccaccg aggccgccgc cgcggggcgcc 240
ccaactgcct ccgagtcgtc cgccgaggct cccgctggcg ctggcgctgg cgctgccgct 300
ggcgccgncg nctcggggcc cttegccagc agcggcgcgc ncgccctcgc cggcgcgccc 360
gccgcgctct tcttctcctt ccttgctact acctcaacta gcgtgtgcgt g 411

<210> 25164
<211> 420
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-B8

<400> 25164

gcaatcgaga ggagaaccag cagcctccaa taagagccag ccagagaaac taatagaact 60

gtcgccgccc ccaccgagc gaacaagcca accgaccccg tccccaaggc aatccgccc 120
cgacgtacca ccaccaccgc aggagcgaga tggagatgaa gaggatcctc ttgcgcgtcc 180
tcgtcgtcat cgccgcctcg gccaccgcag tgctggcctc caccgaggcc gccgcgcgg 240
gcgccccaac tgcctccgag tcgtccgccc aggtcccccg tggcgctggc gctggcgctg 300
ccgctggcgc cgnccgctcg gggccctccg ccagcagcgg cgcccccgc ctcgcgcgcg 360
cgcccgccgc gtcctcttc tccctctcgc cctactacct ncactaagcg tgtgcgtgca 420

<210> 25165
<211> 397
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-B9

<400> 25165
gaagagggtg ccgttaccga ccatgtcgca gcagccggcg ccggcgccgg cgccgccata 60
ggggccgtat aggcagggtga gggaggcgac gcccatagc cgggcgatct cctgcgtgca 120
gttctcccc tgcggggcgcc tcctcgcgac agcctccctc gacggaacgg tagcgctgct 180
ctccccgtcc tcaactggccg taatcgccgt cctgcgcggc cactctgacg gcgtgtccga 240
cctgtcctgg tccacggagt cggtctacct ctgtccgccc tccgacgacc gcaccatccg 300
catctgggac atccggcccg tcctcgccgg tggcgcccag gcagccgtcg tctccggcgc 360
agaccgctgc gtncgcgtgc tcaaggggca caccaac 397

<210> 25166
<211> 91
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C1

<400> 25166
caacataaaa ctaataaact gtcaogatca ctttcaacta acaccaacc aacacctccc 60
aactcaatcc aaaactacat accaccacca c 91

<210> 25167
<211> 374

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-C10

 <400> 25167

 cggacgcgtg ggcggacgcg tgggctgacg cgtgggctga cgcgtggggc aaacagcagt 60
 ggattgttca cgctcacgag aaanaagggt ntgcgtgtga tggaagcgag ctggtgcttg 120
 cgtatgccag caagctgcga ttctgagtgt aacacataag gatgttcttt cattcttctt 180
 ttttgttccc ttgttgcac aaattgtgcc ttaaccacgt cgatgtgctg ccaaattgtc 240
 aatccctgat acggtcaatc atggatggac cgactgcaat ataaatatat tataccacan 300
 aatagcgcga cctttgctac gaaaaaaaaa agcatcngnt acgacatcga atacaccgtc 360
 tgcgcctca aagt 374

<210> 25168
 <211> 390
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-C11

 <400> 25168

 cccacgcgtc cgggaggcct gtccaccacc gaaccaccac cccccgcgc gccgagctca 60
 cgccgatcca gatccaccag tcgtccctcc ggtctgcgac gggcgccctc ctcctcgctc 120
 tcacgcgcct ccggaagcca gtgcctgcgc agtgaagcat ccatctgcct ctcctctcgt 180
 cggatccggg gccggccagg cggcggcagc atgaagcggg tgctgctcga cgtctccctc 240
 gcctccgagg cggagatcaa cctcgatctg tcgcgcctca tcatcgacaa gccaggttc 300
 acgctggagc ggaagcgtc cttcgacgaa ccagtcgtgg agcgagctct ctcaccgnca 360
 gaacgacggc ttcgacagcg tgctgcagtc 390

<210> 25169
 <211> 306
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-C12

<400> 25169

cccacgcgtt cggccacgct ttcgacgagc tacgcagagc taatggacac ggcgcgctag 60

ggcggactca aagtcaccag ccgtcatgtc cgttccagca acggcggcgt tactttctggt 120

actcacgtca ccttccgaat gcacgtgcct gcccacggaa gatatcgta gggactagta 180

tctctgatca cgggccagtc agggcccgcc agctacaagc acgtgtcgct cgactgctac 240

gtcatgtccg atgctgaggt acacatgcat gtgtagtgct tcatcgtcta catgcgcacg 300

ttcacg 306

<210> 25170

<211> 92

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C2

<400> 25170

cggacgcgtg ggctcacgct ggggttgcat gcagggaatg cttgcattca tttttcattt 60

agttaagaat tcattgaaat tatgagttat at 92

<210> 25171

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C3

<400> 25171

gcaacatcgt cctctacggt ggtaccacta tgttccctgg cattgctgac aggatgagcg 60

gggaaatcac cgacctggct cctagcagca tgaagatcaa ggtggttgct cctccagaaa 120

ggaagtacag tgtctggatt ggaggatcca tcctggcatc gctcagcacc ttccagcaca 180

tgtggattgc caatgctgag tacgacaagt ctggcccatc catcgtgcac aggaaatgct 240

tataattctt tgggccaag agatgcaaag ccgagaagat ccattatcgg cagcctggcg 300

cccagtgact gtcttcttta gcagctgcgc attcattatc atgaacaaag ctctctgtcg 360

gtctatccgc tga 373

<210> 25172
<211> 512
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C4

<400> 25172

cggaattctc cgtggctgac tccaactcgt ctcggaactc tcgatggaca caacgactga 60
ttcatccttg acaagtagtt gtacttatga ctacttattt cagttgcggc aagagaaata 120
ctctggcgcc ataaatgctc ctgaagactt tgcactgtcc tgctgacact cgtcagatat 180
gttagcatgt ggagaggacc ttggccttat ccctgcttgt gttcaccctg ttatgcaaga 240
actagtgttg attggattgc gtatccaaag aatgcctagt gaaccaaact tggaatttgg 300
tattccttct cagaatagct atatgacagt ttgcgctccc tcatgtcatg actgctctac 360
attacgtgct tgggtgggaag aagattaagg aagaagaagt cgtttctaca agactgtaga 420
tggcactgat gaagagccct catctcgttg caccacagaa gtagtgcaact tcattgttca 480
gcaacatggt gacgctccat caatgtgggc aa 512

<210> 25173
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C5

<400> 25173

cgggcacaac cagctgacgg gcagcatccc ggcggggctg gtgcaggggc agttccggtc 60
gctggtcctg tcgtacggcc agctgacggg ccgatcccg cgcgacgacg cgcgcgacga 120
gatcaacacc gtggacctct cccacaacaa gctgacgggc gacccctccc acctgttcgc 180
cgccggccgg cccatcgga aggtggacct gtcgtggaac tacctcgact tcgacctgag 240
ccagctgggtg ttcccgcgg agatgacgta cctggacctg tcccacaacc tcatccgggg 300
caccgtgccg ctgtcgtggt agcggctgtc cacgctgcag aagctggacc tgagctacaa 360
ccgcctgtgc gggccgctcc ccaagggaca cggcgtcatc aagcacgggt gcaagccgta 420
cgcgcacaa cagtgcgca aagggacccc 450

<210> 25174
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C6

<400> 25174

gaggcaggag gaggaggagg aggccatggc gcgcgctgcg ggcgtggagg cgcaggcgcg 60
gcggcgggcca cggctggtgg ggtacgagga gctgccggag tacctcaagg acaacgagta 120
catccgcggg cactaccgcg ccgagtggcc cgtccgcgac gcgctcctca gcgccttcgc 180
ctggcacaac gagactctca acgtgtggac gcatctcggc gggttcctgt ttttcctggc 240
gctcgcggtc gccggagggt ggacggaggc cgccgacgaa gccgtcccg ggatcatgag 300
gttcgtggtg acaccaccag ctaacgcttc gtggggtagc ggccagcatt cgggtctgcc 360
aagccacgac ggcaggcggt cgcagtcggc cgtgcccgcg tggccgcgga cgggtgttct 420
ggtgggcgcc atgtcgtgcc tggccatcag cgcgac 456

<210> 25175
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C7

<400> 25175

gacgagtaga ggtagattt aggctgaggt aagatggtgt gcatccggca ggcgacgcat 60
cgaagacctg ctggcgatgc aggcgtgcaa cctgatgtgc ctgccggaga actaccagat 120
gaagtactac ttctaccaca tgctctcgtg gccgcagctc ctcttcgtcg ccgaggacta 180
cggaggcagc atcgtcgggt acgtgctcgc caagatggag gaggaccct cagagccctg 240
ccacggtcac atcacctccc tcgcggtcct ccgtccac cgcaagctcg ggctcgccac 300
taagctcatg tccgccgcgc aggcgccat ggaccaggtc ttcggcgctg agtacgtgtc 360
actccacgtc cgccgatcca accgcgctgc cttcaacctc tacacctcta ccctcgggta 420
ccagatccag gacatcg 437

<210> 25176
<211> 415

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-C8

 <400> 25176

 cccacgcgtc cgcccacgcg tccggtgagg tgagtaatat gaagcaagag aataacaagg 60
 tgaccaaaga gctacaagct gggctcgagc atgtaagggg cctccaagtg gaaattggga 120
 ggacagttct gaagctcaga gacaatattg aactatccat tgggagaagc agtcgagcac 180
 atcagaactt cagatatcta tcagggaagg ccgggggtacc tcaacgaact tccttatttg 240
 gttctaggac gaaaaagaca tcattatfff catgtatgcc tcccattgcc aaagccgatt 300
 tctgacatga ggtcaagtct ttttagataa cattgggttag agggtttagct aattttttct 360
 tctattcgat atgggtgggt ctctatgaac atgcttaaaa aaattgatgc aaggt 415

<210> 25177
 <211> 308
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B3

<400> 25177

ctgaaatgag cattttatat taacgaggat ttggccctat tacacgaaca gtacatatag 60
 gactcgcata caatttaca tttatagcat aatcacaact tatatcatac aaatacacaa 120
 aaacacactt gactaactat ataatccatt tcgacactat tatatctaca catgtgttac 180
 ttgcactact tttatcaata ctactcattg gctataacat actcacattg acgagagcta 240
 tgataatatt aacactatat tctattgcac tatttccacc aatattctaa taatgatgac 300
 cactttat 308

<210> 25178
 <211> 393
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C9

<400> 25178

cgagagact cggaagtcgg aaagaatccc tctgttctt cgtcaaccct ccagaacctg 60

cgctctcttc ctctacgaga ctacgaccgt gtaaggatgg ccgtcgagcg cttgaagacc 120
 gggttcgagc agttcaaggc cgacgtctac gacaagaagc cggagctggt cgagccactc 180
 aaggcgcaacc agtcgcccac gtacatgggtg ttgcctgct cgcactcccg cgtgtgcccc 240
 tcggtgaccc tgggcctgca ccccgcgag gcctttgccg tccgcaacat cgccagcatg 300
 gtgccgtcct acgacaagac caagtacgcc ggcgtcgggt ccgccatcga gtacgccgtc 360
 tgcgccctca aagtggaggt catcgtggtc ata 393

<210> 25179
 <211> 452
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A10

<400> 25179

ctcttcccc gcccgggcaac aactcagccg ccgcaaccgc cacatcagcc atgggagcct 60
 gcgcaaccaa gccaagacg cttgaggggc agggcccagc tgaggccgcc gtctccacac 120
 ccaaggttgc gcccgaggcc actccaatct ccgttgaggt tgcggctgat gaacaggtag 180
 ctgagaaggt ggtggtggag gagccggctg cggcggccga cgttgagcat cagaaggcta 240
 atgaggtgct cgctccagag gcggccgtcg ccgagcccga ccacaaggag gaagaagccg 300
 tggagaagac cgtcgtcgag gaggagaagc cagcggcagc agcccatgca gaagaaaagg 360
 tcgccaccgt cgtcgagacc acgacgacgg tggaagcgaa aaagaacgcc gaggaggccg 420
 ggaaggagaa agctgcgcaa caaacctga tc 452

<210> 25180
 <211> 446
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A11

<400> 25180

gtcggggcgg cagccgccg ctcgctggg ccagcgggt ccgcatcgcc ggcggagatc 60
 gcgacggcgc tgctgttcct gcaccaaagc aagccggagc cgctggtgca cggggacctg 120
 aagccggcca acatcctgct ggaccgcaac tacgtgagca agatcagcga cgtcgggctg 180

gcacgcctgg tgccgccgtc ggtggcggac aacgtgacgc agtaccggct gacggcgcgc 240
gcgggcacct tctgctacat cgacccggag taccagcaga cgggcaagct gggcgtcaag 300
tcggacatct actccctcgg cgtgctcctg ctgcaggtgg tcaccgcgcg gccacccatg 360
gggctcacgc atcacgtcga gaaggccatc gacgcgggca cctttgagca gatgctcgac 420
atcacctgca aggactggcc cgtcga 446

<210> 25181
<211> 169
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A12

<400> 25181

gagatacctt aaggctccac gaaataaaat actcatggct cgcccgattt gtgatcaaaa 60
aggaaaaagg tacataatac taaaaaaaaa aaaaacaaaa ccaataatac acaataaac 120
taaaacaaaa caacaatata gctaaaccaa aactacataa acaagatca 169

<210> 25182
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A2

<400> 25182

gacgccgcga cctccggggg cttggctttg ggaaatggac cagccgctca ctgccccag 60
tcagtggccg cgcgccgcac caagtgaact agctactctc taggcggagt gaagcgaagc 120
tagcttagct gctcgcagct tgagctgagc ttgctcactt ttctccctc ttcttctagt 180
accggcacac acaccgcagc tgcgaaaaag gaagctctct ctctctggtg gtgccggtgc 240
gccgtgcttg cttgcttgct tgcggctgca tccatggacg cctacgaagc caccaagggtg 300
gtgttctcgc ggatccaggc gctggacccg gaccacgccg tcaagatcat gggcttcctg 360
ctcatccagg accacggcga gaaagagatg atacg 395

<210> 25183
<211> 443

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-A3

 <400> 25183

 attttggatc ttacaaagaa aggtgtttgc attttgaagg actgttcaat gcttattatg 60
 gaggaggcag acaagcttct ctctcctgag tttcaacctt ccatagaaca gttgattcgc 120
 tacctccctg ctagttgact gattgatttg aagcttgga aagaggggtgt tgagacagtg 180
 aactttctgt cgttcttcaa caaaagcata gaactgcgta aatcgtgttg aactattggc 240
 gaagaagatc acagagcttg gttattcttg cttctatatt catgcaaaga tgctacagga 300
 ccaccgcaat agagttttcc atgatttccg taatggagcg tgcaggaatc ttgtttgtac 360
 tgatcttttt acaaggggaa tagatattca agctgtgaat gttgttatca attttgattt 420
 cccaagaac tctgaaacat atc 443

<210> 25184
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-A4

 <400> 25184

 ggccatcttc gtcgaccttg agcccactgt cattgatgag gttcgcactg gctcgtaccg 60
 gggactgttc caccagagc agctcatctc gggcaaggaa gacgcagcta acaactttgc 120
 ccgtggccac tacactgtcg ggaaggagat tgctgatcta tgcttgacc gtgtgcgcaa 180
 gcttgcagac aactgcactg ggctgcaggg attcttggtg ttcaatgctg ttggtggtgg 240
 gactggctct ggacttgggt cacttttatt ggagcgcctt tcagctgatt atggcaagaa 300
 atccaagctt ggattcacca tttatccttt ccacaagtg tcaacaactt gtggataacc 360
 ctacaacagt gtcctctcca cacactcctt gcttgagcac actgatgttg cagtctcct 420
 ggacaacgag gctatctatg acatatg 447

<210> 25185
 <211> 434
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-A5

<400> 25185

cggacgcgtg ggcggacgcg tgggcgcccc gcgcggcggg ggcaggccgc tccaggagga 60
gatgtacgca tcccccgga accgcttcgc ctgcggcacc gccgccttca acgggagaca 120
agaggacgcg ggcggacgcc aggcacagag gacggtgggt ctcgtggcca gggacccgcc 180
cacgagagag atgacggtgg atcagctgct cgtcaaggcc aaccagctgc atcatctcct 240
cgaccggttc atcgctgcc gccctgtagg cgcgccaag gcgaaccgag tggtaggggt 300
ctctctgtac ccgctgatca aggagagcgt gcagctctac tgcgagctca cggaggtgac 360
ggccacgctc atcgagcagt tcgcggagat ggagaccgcg gactgcgagc gcgtgcacgc 420
nctcttctgc ggtc 434

<210> 25186
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A6

<400> 25186

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaacaataaa aaaaaaggaa 60
ggggtacact ttacaagctc gcaaccttat aactgttcta ttctgacccc atcaactcta 120
ctatcatgcy ccacctatct tcaacctact cctctgttaa ttacaactc cctcgcttca 180
aaacctttgt cctgcacaaa cttcttcgct ctgcagctca tccacctttc agcacatgct 240
ctattatcct tctgccctgc aactgacgat ctttctgaa ttcgaccttc cctactgtcg 300
cgcatcatgc acggtgaatg gggttattac tctccccggc aatgatactc tagccctctg 360
cctcttacct actcctcatc cttttaactt cccatctttc tacattc 407

<210> 25187
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A7

<400> 25187

atccagattc cagcagcaac atctgcatcg aggattgcta catttctact ggtgacgatt 60
gcatcgccat caagagtggc tgggatgagt atggaatcgc ctatggccgc gccatttctg 120
gcatcacctg ggggaggatc acaggctcct ccccgtttgc tggcttcgcg gtcggaagcg 180
agacatcagg tggcgtggag aacgtccttg cagagcactt gaacttcttc aactcagggt 240
ttgggatcca tgtcaagacc aacacaggca ggggaggctt catcaggaac atcactgtct 300
cggatgtgac gctggataac gtccgttacg gcctgcggat cgttggcgat gtcggcaatc 360
accccgacga cagctacaac cggagtgcgc tcccgatcgt cgacgccctt acggtaaaga 420
atgtccaggg ccagaacgtc 440

<210> 25188

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A8

<400> 25188

accacgcgtc cgaaaattat aaaaagctat attctaagca tattgaaagg gatggtgagt 60
tgtgattaaa aaaaaaaaaa cagaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gccgcccttt 180
taaaagaacc aaacttaact acccctgcat tccaacaaaa aacttttaaa aaagggaacc 240
caaatttaat ttaactgccc gcgttttaaa aacttagaaa ctggaaaacc cttgccatac 300
ccaatttaaa ccccttgga aaaaatcccc ttttccaaac ttggcaaaat accaaaa 357

<210> 25189

<211> 292

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A9

<400> 25189

cccactcgtt ctcggactcg tgttcgtact ctaggaaaa acaataaac agaacatatac 60
gggactaagg gaactaatc tgcacaaaa caaattcaat tacattcata caccatatac 120

taaaacttat acaacatcct tccattctaa aacacccatt ttacaccag tcatttecta 180
 cttattctat ttataatcaa ctcatatc ttaacttaat taacaaaaac tttccaccgc 240
 tttaaagat acaaccttac gtattcctac ctaatacccc ctaactctta ta 292

<210> 25190
 <211> 402
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-B1

<400> 25190

cgtgttgcaa accgcttcat ccttgatcag gatgttgcta tngctgccat gggcccatcc 60
 ggggacgttc agactacaac tggttcagac gcccagaccta catgctccgt tactagatta 120
 atcagcccgt gtacccatgt ttaccgtctg caaaagacaa gataaaattt gcctctttta 180
 gcgtcagtat attaaggcct cagcactgca cattacgtgc tgcgatggag gaattttttg 240
 agaatttggt ttatttcttg tcgtgtccaa aatccacaaa tctgtcaata atgataggca 300
 agttcgactg acgtggctga cttggttggc caccgatgt tttcttaca cgagtcatga 360
 accataccgt nccatctttt ggtggaagaa tttactttgg gc 402

<210> 25191
 <211> 408
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-B10

<400> 25191

cccacgcgtt cgccacgcg tccggtctag gtttctctc tcaccatagc gcccgtctg 60
 tggcccttcg ttcacctcta cttactctac tccctgctg ccaggagag ggggaagtcag 120
 aggacggag tggcgagag cagacgccc tgaaccattg tagctgtccc tgtcgtcgtc 180
 atcgtcgtcg tcaacgaatc cgcacaagga aaagatggag aagaagccga ccctctcat 240
 gaacaggtac gagctcgggc gcacgctcgg gcagggcacc ttcgccaagg tgtaccacgg 300
 ccggaacctc gcgtncggcg agagcgtggc catcaaagtc atcgacaagg agaaagtgat 360

gcgcgtcggc atgatcgacc agatcaagcg cgagatctcc gtcatgcg

408

<210> 25192
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B11

<400> 25192

cccacgcgtc cgagtgattt gaaataattg ggaataaata gttcgtgaat ccctgaagcg 60
tgcataatata tattcctgcc aagataaagg taatggagtc gtcacgcagg ttccagccgg 120
ccgtcatcct gcttctcctg ctcatgtgt ccaccgatat ggacacaggca agggaatgcg 180
agaagtacag tgagcgattt gttggggcat gcatgatcgc agacaactgc gccaatgtgt 240
gccgcggtga gggcttcttg gccggcaggc gcagcacctt ccgccgccgc tgcattctgca 300
ctaggcagtg ctaaacaaga tcgctcgatc gctcgccatg catcgacaac ctattcttaa 360
taacgttcat tatctcgttc ttatttatga cgaatgtcat gtatgttctg gtgactgtca 420
tgtatattct gatgactgtc atgtatcttg g 451

<210> 25193
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B12

<400> 25193

gcagatcgag cagaggtcga caagacgaga caagagaatg cctgtgagca ggatcgccgt 60
gggcgctccg tgcgagctgt cccaccccca caccgtcaag gccgccgtgg ccgagttcat 120
ctgcatgctc atcttcgtct tcgacggctc aggatcgggc atggccttca gtaagctcac 180
ggacggtggc gccgccactc ctgccggcct gatcgacgcg tctctggcgc acgccctagc 240
cctcttcgtg gccgtctccg tgggtgccaa catttaccgg cggccacgtg aaccctgccg 300
tgaccttcgg tgcctttgtg ggcggcaaca tcagcctcct caaggccctg gtctact 357

<210> 25194
<211> 417
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B2

<400> 25194

cgtctcgtctc gtggctgccc tactcgtgct gcttgccctc gccgtcggtt cctccacgcg 60

cggcgcacaa aaggagtccg tggctgacaa cgccgggatg ttggcaggcg gcatcaagga 120

cgtgccggcg aacgagaacg acctccagct ccaggagctc gcgcgcttcg ccgtcaatga 180

gcacaaccaa aaggccaatg ctcttctggg gttcgagaag cttgtgaagg ccaagacaca 240

agttgttgct ggcacgatgt actatctcac tattgaagtg aaggatggcg tagtcaagaa 300

gctttatgaa gctaaggtct gggagaagcc atgggagaaac ttcaagcagc tgcaggaatt 360

caagcctgtt gaagaggggtg ctagcgccta aagatcttgt cgtctcctgt gcaattt 417

<210> 25195

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A1

<400> 25195

cccacgcgtc cgcaaattat gggatattct agccgtgtat gcatggattg acatagatgt 60

tggttactgc caaggaatga gtgatttatg ctcaccaatg atagttctac taaaggatga 120

agcagatgcc ttttggtgct ttgagaaatt gatgcgtaga ttgcgaggaa atttcaaagt 180

cacagatcaa tctgtgggag tatccaacca acttcaacat cttgcatcta ttattcaggt 240

tcttgaccca aagctacatg accacctaga aactcttggc ggaggtgact acctttttgc 300

gttccgaatg ttcattggtgc tatcttaggcg tgaagtatca tttggagact ccttatacct 360

ctgggagatg atgtgggctc tagaatacga ccctgacatt ttcttcgcaa catgcgaaga 420

acaaggtgca atacataaa 439

<210> 25196

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G3

<400> 25196

cggacgcgtg ggcggacgcg tgggttcttg cttctgctta ctgcgatgag ttgccacgat 60
gtgggcttga agttggtctg accaactatg cagctgccta ctgcaactggc cttctgttgg 120
ctcgccgtgt gctcaagacc cgtggttttag ataaggaata tgagggcaat gttgaggcca 180
ctggtgagga tttctctgtt gagccagctg atgagaggag gcctttccgt gctctcttgg 240
atgttggcct tattaggact acaactggga accgtgtctt tggtgccctc aaggagactt 300
tggatggtgg cctggatatt cctcacagcg agaagaggtt tgctggtttc aagaaggatg 360
acaagcagct ggat 374

<210> 25197

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G4

<400> 25197

cccacgcgtg cgggtgcgtgc ctagcatgca tgcattgtgac gacctctcct gctcgctgcg 60
tctcggtatc tgcaactgca agcaaggaaa ttaattaaaa gaagatcggc gccatggcgg 120
caacgacgac gacgggggatg cagatgatgc acgtgcagca cgcggcgggtg atgctgctgt 180
gctcggttgt cttggcggcg tatactccgg tcgcgctgga caactgccgc gactactgca 240
tggttgcatt caacgggtgg accatcagct gccagatctc ctgtgccagc gcatgctact 300
gagaagtcgg gatcacaacc ttatgtacgt cggctgtatt atgcaaagca gaagcgctg 360
catcagcacc tacagcagca ca 382

<210> 25198

<211> 438

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-054-Q1-K1-G5

<400> 25198

ttccacaaac gcaagcccca atctcgccgt caccacctca atccagcaaa cgcaaacc 60
gtctcgccgc cgccgcgatg tctcgccgct atgacagccg cagcagatc ttctcgccgg 120

aggggcgctct ctaccaggtg gagtacgcga tggaggcgat cggcaacgcc gggtcagccc 180
 tcgggatcct agcggccgac ggcgtggtcc tcgtcggcga gaagaagggtg acctccaagc 240
 tcctccagac ctgcgctcc gccgagaaga tgtacaagat cgactcccac ctggcgtgcg 300
 ccgtggccgg gatcatgtcc gacgccaaaca tcctcatcaa canccgcgcg cttcacgcnc 360
 aacgctacgc gctctnctac caggaaccca tncncgtcga gcagctcgtc cagtccctct 420
 gcgacaccaa gcaggggt 438

<210> 25199
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G6

<400> 25199

gcgctccaga ttctcgtcg cgcgcgctga gcaggagagg cgcgccgcca tcgtgcgcgc 60
 ggaggggggag agcagggccg cgcgccttat ctccgaggcc acgaccactg cgggcaacgg 120
 cctgatcgag ctccaggagga tcgaggcggc caaggagatc gcaagcgttc tgtcgcgcac 180
 gcccaacgtc tcctacatcc ccgccggcga caatggccag atgctgctcg ggcttaacgc 240
 cgccccggtt cagaatttca ggacgagatg aaactgttct tggtaggggag gagggaaagt 300
 tgttttctgta gagcttctag aagtgttget aagagtctgg ttttgattaa tgaaatggct 360
 ggaagtctgt ttgtgtctaa tagagtgttt cttctgtgaa ataaaaactgg tctatgagat 420
 ggtgtggcca gctctt 436

<210> 25200
 <211> 388
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-054-Q1-K1-G7

<400> 25200

cccacgcgtc cgcgcttctt ccgcagaaga acaaggagaa aagggagggg ttcgtcacga 60
 ggaggaggag gaggaggagg tgcgtcgttc caatcgaacc ccggcgcaca atctagaggc 120

cggggtggat catcatcctc accaagacag aactccatcc cgttaaggt gttaaacatt 180
 aatcatggcc acaccgccag acggggcgcc cgctggacct gatgacacgt cgccgccgcc 240
 ttcttccaac tcgtcgacgc cgctccttc cgactcatcg acgccgtcac ccaagtcctc 300
 cggctcgggc tcgccgtcgc catcgccacc cgcaccgtcg ttgtcgccgn caccaccggc 360
 gtcgcgcaa gatagcacgg cgccagcg 388

<210> 25201
 <211> 469
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-G8

<400> 25201

cccacgcgtc cggctcaact tcacgtgcat ggagatgaag gacgagcagc agccgcagca 60
 ggccagctgc tcccccgagc tgctggtgca gcaggtaag gctgcgacca gcgccgccgg 120
 cgtgcagctc gccggcgaga acgcgtgga gcggtacgac gatgcggcgt tctcgcaggt 180
 ggtgtcgacg gcgcgcggcg caggcctggc cgcgttcacg tatctgcgca tgaacaagac 240
 gctcttcgac ggcgacaact gggggcggtt cgtgtccttc gtcagggcta tggccgacgg 300
 tggcgcgagg ccagcgtcgc cgcggtgtga cacgngcac tcggacctgt acgtcggggt 360
 tgtcgacgcc gtcaaggaga ggaaggcggc ggaggccaag ggcccgga ccaccgcagc 420
 attgtagggtg gtcgtcggtg gatgcccatt catgtgcttg cataatgca 469

<210> 25202
 <211> 269
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G9

<400> 25202

acggctgcgc tcacacatac tcctcattca atatattcca tcctctacat tatatgtcaa 60
 accaacagat gtcgttcacg gaccacaagt gctaccctg ctcatacaac aacgtcaata 120
 agggcccttt caacaacatg agcgcgtggt gcaacttacc catcttcaaa gactgtctaa 180
 gttgtatata ctgcttctag atcaactgct acaagccaac atactactct ctcaagcacc 240

ttctacatgt acattactta cataaacta

269

<210> 25203

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H10

<400> 25203

acgcgtggga tcctgaccct caagtacccc atctagcacg gaatcgtcag caactgggac 60
gacggggaga agatctggca tcacaccttc tacaacgagc tccgtgtggc tcccaggaa 120
caccocgtcc tcctcactga ggcgcccctg aacccaaagg ctaaccgtga gaagatgacc 180
cagatcatgt tcgagacctt caacaccccc gctatgtacg tcgccatcca ggccgtcctg 240
tctctgtatg ccagtggctg taccacaggt atcgtgctcg actcgggaga tgggtgcagc 300
cacactgtcc ccatctacga gggatacgcc ctccccacg ccatccttcg tctcgacctg 360
gctggccgcg acctcaccga ctacctcatg aagat 395

<210> 25204

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H11

<400> 25204

cccacgcgtc cgcccacgcg tccggaggag aggagaggag agactagacc cgctagctga 60
ggccggggcg cgcgctggac acgaacatga tggggagaaa ggcgctcggc tgtgctcctc 120
ttctectect cttggccgcc gccgtcgctc cggccgagct cagcgtcggg gcggcggtg 180
cctcggggcg ggtcaccgga gccgacttcc ccgcgggggt cgtcttcggc gtcggctcct 240
ccgcgtacca ggtcgaaggt gcagttgcag aggacggaag gaagcctagc atctgggaca 300
cattcacaca tgaaggctat tcccttgaca acgccacagg cgatgtaact gcggatcagt 360
atcataagta caaggacgac gtaaagcttc tgcagt 396

<210> 25205

<211> 299

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H12

<400> 25205

aattccaggt cgcctacgcg tacggagaga ctagaccocct agctgagccg gtggcgcgct 60
 ggacacgaac atgatggggg gaaaggcgct cggctgtgct cctcttctcc tcctcttggc 120
 cgccgcccgtc gctccggccg agctcaccgt cggggcgggcg gttgcctagg gcgcggtcac 180
 ccggggccgac ttcccccccg ggttcgtctt cggcgctcggt tcctccgctg accaggtcga 240
 aggtgcaatt gcaaaggacg gaaggaaccc tagcatttgg gaccattca cacatgaag 299

<210> 25206
 <211> 306
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H2

<400> 25206

acgcccacgc gtgcgaccag agagtcggtg agagggcccc gccaccggca ataaccacc 60
 caggcccagt cagactcaga gcctgcaggc tgcagcgtgt cggcgctccc tgctgctctg 120
 ccgccctccg gcgcctgtgg cggtgacgcg cacatacgct ggagtagcta gctaggcaag 180
 cgagcgggtg tgggtggtcga gcacgtagca caaccagcca tgacgcgccc cgggacgctc 240
 ccgctgggcg tgctgctgct gctggcgggc acaaccaccg tgtccgggca gggccgaccc 300
 gtgacg 306

<210> 25207
 <211> 325
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H5

<400> 25207

ggagccgata cagctctgct gctctctgga tcaagcatgt gtggcgatgt ttccgtgaac 60
 ggcgcaccgg tggaagacta cgaactgcc aagggaagcg actcccatgc aggagcaagg 120
 tctccgggtc cgggaacgcc gacggggggag gccgtgaaga aggcggatga ggtggtgagc 180

accatgctgg ccaggggctt cgtgctgagc aaggacgcgc tgcggcgcgc acagtccttc 240
gacggccggc accagcagct gctgtccacg gccacggcgc ggggtggcgtc gctggaccga 300
cgactgggcc tcagcgacaa gttca 325

<210> 25208
<211> 390
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-H6
<400> 25208

agatctgccg cacgctctcc aacatgatcc cttacgaaca tgtccattga tttggttgg 60
tctttttccc gaccccccta ctacgttcag taacgtggtc gtcgtcgtcg ttaagtgcgg 120
cggcctaaaa catatgtaat ttgatgctgg tcgggtgtgt ctgtcagtcg atagactgga 180
cgcatgccga cttcatgcgg acctagcgcg tgtgcttctt ttcgggtgtg cctcatgcgg 240
cgtggcacat gtcttgagac cgtgggatgg aacggctcgt tgagaggcac gcgtgtaggg 300
cagcctatat atatgattct ataacatgct aaatttgtgc ttctttatta ctatatatat 360
agccattcat cattcaattc actaggaaca 390

<210> 25209
<211> 407
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-H8
<400> 25209

ctcgctgca ggagaactcc aggaagatca agggagtgt gaaccacatg gagcacgaag 60
tgtttctgtg tgcagctgtt atggctggcc tatcaatact cggattcttg ttctcogtac 120
tggtgttgcg gtttcttgtc tccctactgg tgatcgctgc ttggatcctt ctcaccaata 180
ccatcatcag ttctggtctt ttctctctct tgcacaacgt ggtggcggac acgtgcgtcg 240
cgatgggcga ttgggtggcg caccgcagg cgcacacggc gctggacgac atcctcccg 300
gcgtggacgt ggccacggcg aacgagtcgc tgtaccggaa ccaggaggtg acgtcgcatc 360
tggtggcgct ggtgaacaac gtcgtcgtca acatctctaa ccggaac 407

<210> 25210
 <211> 312
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-H9

<400> 25210

```

cccacgcgtc cgccacgcg tccgcggacg cgtgggcacg agttcgacaa cgatgacggg   60
cgcnagagggc ctccattgtg atgcgatgcg aaggctgtgg acagaaaata ggaaaacggt   120
ttgggatttg tctcgtctgt ccgctccgct cccctacat ttctttgctg tttagtagat   180
aattctagat ttacagaaaa gacaaagttt actcttttct ggatcatatg ttttgtgcta   240
cttattgctg ttctggccgc attgggccag catgcagtta ttcacggggt caacctgaca   300
agcgtgggt gc                                                         312
  
```

<210> 25211
 <211> 365
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G2

<400> 25211

```

cccacgcgtc cgccacgcg tccgaaacgc gtcgcatccg ctccacagga tcctctgcgc   60
gaccggaacc gtgtgaccgc ccgtgccgcc ggcgatcccg atccgccgac ccgtcccagc   120
cccgtcgcga gccatgtcgc cgtcggagcc gacgcgggag gagagcgtgt acatggccaa   180
gcttgccggag caggcggagc ggtacgagga gatggtcgag ttcattggagc gcgtcgcgcg   240
ctacgcccgg gggcgccggc ggcggggagg agctctcggg ggaggagcgc aacctgctgt   300
ccgtgccta caagaacgtc atcggcgccc gcagggcctt cgggcggatc atctcctcca   360
tcgag                                                         365
  
```

<210> 25212
 <211> 384
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E9

<400> 25212

cgtacgcata gcgcattatc cttttgagct caacttgctca tctatgatat gtcttgcaac 60
tgatcagggtg tgggctactt catgattcag atcgctgcta gcatgaccaa gatttacatg 120
gtgcttcaac ttgtcaatgg gggcagaact gttcgactgg attaaaacat acaagatgca 180
aatatggagg aacaacaatc ttccttggtg gatggactta aaactccac tactgtggct 240
gatcaagaat tcacagtcgt ggagtgcctg tccaatcatg agtatcactc gcagactctt 300
ggatatgtaa ttggtggaac taacatgaga tgcgacacct accatctcac atgaaggatc 360
aatctcttaa ttgccacact ggac 384

<210> 25213

<211> 363

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F1

<400> 25213

aaagaaagaa agagtgatcg tcatggagag caggaggaag aatcaacaga agacgagcta 60
gagttgggat ttccatccag ctgctagcgg cctcctact cttggagctt gtgtcgctag 120
tgccggggggc gtcatgcgag gagttgccct tggatttttg ggtgagtgca ctacgggggg 180
tcgggggcaaa ggacgtttca acagccgatg gatgcaccaa taagaataag gacaccgtgc 240
tctgctctgc ccaggctaac acggtaacca atttcatcaa cctaccaac tctgagggaac 300
aaggctatag gaccatcggg gagtccatcg gtaacatccc tgatgatagc accaaacggg 360
tca 363

<210> 25214

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F10

<400> 25214

acatgttcac gcaatccatg atttacattt accagtagat gccgtcaaaa taagcgtggg 60

ttgatgtaag gtcaccatcg gtttgcccaa cgtaccgatg ctcgacctgt aacaatactg 120
catcgccaat ctccgtgccg aatctatagt actgatggaa catattccgg tatgctcgca 180
agaactactc aaacaacaag attctgagcc gtctcgaaat tgtacacgga aaggctggca 240
gctacacatg gctcacttac aagcagctat actacaccgt gctcaatgtt aggtctgcca 300
t 301

<210> 25215
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F12

<400> 25215

acggcaaggc aaaacctgac tgctcgggca atccagtcac ggtgtacatc actgacatga 60
actgcgaggc tatcgtctcc taccacttcg acttgagcgg caaggccttc ggctccctgg 120
caaagcccgg gctcaacgac aagattcgcc actgcggcat catggacgtc gagttcagaa 180
gggtgcgatg caagtacccc gccgggcaga agatcgtgtt ccacatcgag aaggctctgca 240
accccaacta cctggccgtg ctggtgaagt atgtggcgga cgacggcgac atcgagctga 300
tggaaatcca agacaagttg tcggctgagt ggaagcccat gaagctctat tggggcgcca 360
tctggaggat ggacactgcc aaggcgctca agggcccctt tt 402

<210> 25216
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F2

<400> 25216

cccacgcgtc cgcccacgcg tccggaacct gagcgcctaa ttaaggaatt tgtcactttg 60
aaggcgatat ttaaatacaca tgtgctgagg gtgcacaaat ccaaatttgc acagtttata 120
atgttttatg cttgttcctt gcacctgag attggcgatg gctttgctaa ttttcttact 180
gatattttta ttgacaagga caaaaacgag gatgcaatta ctagagtgtc tgcagtttca 240
tatgttgga gctatctgtc ccgggcaagg ttcatttccg taaatatagt tgtttctgta 300

ctcaaaaggc tagtggactg gtgtgattat tattgtggcc atcagctgga caatgggggtg 360
acagcaaatc ctataaagca ccagctatctt tatgctagct gccaggctgt gatgtatggt 420
ctatgcttt 429

<210> 25217
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F3

<400> 25217

ggccaacaca cattgtttac attgctcatg ggaaactgca attagcactg cctttggaaa 60
aggtgaaaga aatgagtcag ttatctctca tgaggactgt ggagagctgg ttgaggaaag 120
aaagagacga ggacaggagg aggagaaagg agcgaaagga gaaaggcctc ccagaattcg 180
acaaggttgt cgagggtagt cgggttatag gtgatccagc aaagaacgca gacagagtta 240
taaacaacgg gtgggcagct ggacggctta cctcgacgat tgcaggagag gaaaatttcg 300
tcttcagctc taacagcgta cttaggcaat gatctagttt tggtttcctt tatctataca 360
ttggaaacgg taataatagt cttgcggatc caatagagat atcgtggggg cttgggcatt 420
tata 424

<210> 25218
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F4

<400> 25218

atcacgacaa gatggcgtgc acagacaatg cgatgagagc cttgttcctc ctggtcctct 60
ggtgcgtcgt gcatggtgag aaggaagagt caaagggcat cgatgcgaaa gcgtccgggc 120
ctggtggggtc cttcgacatc accaagttgg gcgcctccgg caatggcaag acagacagca 180
cgaaggctgt gcaggaggca tgggcatcgg cgtgcggcgg cactgggaag cagacaatcc 240
tcatacccaa gggcgacttc cttgtcggac aactcaactt cacaggccct tgcaagggcg 300
acgtgaccat ccagggtgat ggcaatctgc tggcgaccac ggacctaacg cagtacaagg 360

aacatggtaa ttggatcgag attctacgcg tggataacct ggatcatcacc gggcagggga 420

a 421

<210> 25219

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F5

<400> 25219

cagaaatcaa taccgaaaa gtggtcggca catacggta tatgtctccg gagtatgcaa 60

gggatgggat cttctctgtc aagtcggacg tattcagcta tggagtattg ctgctggaaa 120

tcgtcagcgg taggaggaac agaggagtgt attcctattc aaacaaccaa agccttctag 180

gcatgcatg gagcttgtgg aacgaggaga agagcataga gctagcagac gaaagaatga 240

atgggtcgtt caactcggac gaagtgcaga agtgcacag agttgggctc ttgtgcgtgc 300

aggagaacct agacgacct cgcgtgatgt ctgaggtgct tctgatgctg gctagtaccg 360

atgccacctc actgccaact cctaagcaac ctggcttcgc cgctaggaga gttctgatgg 420

aaacagaca 429

<210> 25220

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F6

<400> 25220

cccacgcgtc cggccacgcg tccgcccacg cgtccggaca tctactacca gcactggtat 60

ggcgcttctg ccagagaagc actgcgcctt gtttgatgaa gcttgtggag ccatggcggg 120

cagtaatagt cctgaaggag tgccagtagt gacttctgct gatgacctc cgacctgtgc 180

caatattcca tttctctgca attcagttga tgaaacctgt gaagccacag ggggcggcag 240

tgctcccttg gagggtcaga tatgtacggg tttctccaag ttgatcagct tggaggtgaa 300

gaaaggcctc cagaagtgtg cgacgttccc acctcatct ggtcagcctc agcaggagga 360

ttgttcatgc tgccatgtat gtgacgggct cacgtgtgct 400

<210> 25221
<211> 466
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-054-Q1-K1-F7

<400> 25221

cgccgatgga gtcgcttgcc tcgcaagcga ggccggcggc ggtgctctgg ctgcccggct 60
gcttccangc cgcgcgcctc caccgcgttg tctccttctg cgccagctcg agggcactat 120
ccatcaggat tgcacagtgc ttntgctga acgggcttat cttccttggg agcttgctta 180
cacttacatc ggtggtcatt ccaactctac tgtggatact acctgagcga tgcaatcaag 240
cagcaggaca tctttgtaac cccaggcaag cctatctaac tattcaatct tgcgcttcgg 300
gcttggtgag attttttatg tattatgggt ttatccactt tatgtcttca gcttcatatt 360
aaggaccatt tgggataatg acattgccaa gcatgcatgg gatgttgtga aagtaagagc 420
ctagtttgac ttaatcactg gatgctcacc acgtaactga aacaaa 466

<210> 25222
<211> 136
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F8

<400> 25222

ctataacatg ctaaatttgt tctaaaaaat aaaaaaaaaa aaaaaaacaa aaaaaaaaaa 60
gaataaatat aaaaaaaaaa aaaaaaaaaa aaaataatta taaaaaaaaa aaaaaaacac 120
tattcataat cataac 136

<210> 25223
<211> 391
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-054-Q1-K1-F9

<400> 25223

attaacgtag cttcttctag nnctctagct aggtctgtct ggctgcaaga aaggtaacac 60
 gcgcaggggt gggaggggaa ggaggaggan cgtccgcctg ggcgccaaca agttctcgga 120
 gcgccagccc atcggcacgg cggcgcaggg cacggacgac aaggactaca aggagcccc 180
 gccggcgccg ctcttcgagc ccggggagct caagtcttg tcttctacc gcgccggcat 240
 cgccgagttc gtcgccacct tctcttctct ctacatctcc atcctcaccg tcatgggcgt 300
 ctccaagtcc acctccaagt gcgccaccgt cggcatccag ggcacgcct ggtccttcgg 360
 cggcatgata ttcgccctcg tctactgcac c 391

<210> 25224
 <211> 391
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G10

<400> 25224

tgtaactta ccataacaac aactcaattc ctatcgaatt ccttcctatc gaattcctat 60
 ggtaaagttc ctataggata gaacgtacac aggggtgtaca cattatataat gaatgaaaca 120
 tattcattaa ctaagcata ctctctttttt tatttaatga gttgatatta attaaatatc 180
 tatttttttta gatttttgca aaggtttcat ttacgcctaa tccatatcga gtagaccctg 240
 tcgatgtgag aattcttaat tcatgagttg tatggaggga cttatgtcac cacaacaga 300
 aactaaagca agtgttggat ttaaagctgg tgtaaggat tataaattga cttactacac 360
 cccggagtac gaaaccaagg atactgatat c 391

<210> 25225
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G11

<400> 25225

cccacgcgtc cgccacgcg tccggagaca gtgtacacat acatactctg ctcgctctgct 60
 ggggatcgat cgcttggctc cgttgttgcg tagataggta ctagaggact atagctacta 120
 gtaggactag gagaggatcc gagggagaga gagtaaggcc aagatgatgc gcgcgaaccg 180

ggagcagaga gtggccttct cgtcgacgaa ggaggccgac gcggtgcca aggaggaggt 240
 gtgggaggtc cgccccggcg ggatgctggt gcagaagcgg agccccgacg cggacccacc 300
 ccccgccggc gcgcccgtgc ccaccatccg cctcaaggtc aagttcaacg gcgtctacca 360
 cgagatctac atcaactccc aggcacacct tggcgagct 399

<210> 25226
 <211> 404
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G12

<400> 25226

aaagaaacaa gcgcccacga acaactacct ctccaccaac aatggccttc aggtcctcca 60
 ggggtacgggc cacggtgatg ttggctgcgc tgttcgcggt tggtttctgc accaccccg 120
 tcaccttcca cgtcggcaag ggatccaagc ctggccacct gatcctcacc cccaacgttg 180
 ccaccatata cgatgtggag atcaaagagc acggtggtga tgacttctcc tttagctca 240
 aggagggccc gactggcacg tggacgctcg acaccaaggc cccactcaag taccctctt 300
 gcacccgctt tgctgtcaag tctggcggct accgcatcgc ctacgacgtc atccccgccg 360
 atttcaaggc tggcaccacc tataagacca cactcagcca attt 404

<210> 25227
 <211> 437
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-E8

<400> 25227

gtaacacagt tgagcacgac gatgggatcc ctcgctaata acatcatggt cgtgggcgcg 60
 gtccttgccg cgcttgctgt cgccggggtcg tgcgggcccc cgaagggtgcc gcccgcccc 120
 aacatcacca ccaactacaa cggcaagtgg ctaccgcca gggccacctg gtacggtcag 180
 cccaacggtg ccggcgctcc tgacaacggc ggtgctgctg ggatcaagaa cgtgaacctg 240
 ccaccctaca gcggcatgac ggcgtgcggc aacgtccnca tcttcaagga cggcaaagg 300
 ctgtgggtca tgctacgagg tgagatgcaa ggaaaaacct gagtgctcgg gcaatcctgt 360

cacggtgttc atcacagaca tgaactacga gcctatcgct ccctaccact tcgacttgag 420
 cggcaaggcc ttcggtt 437

<210> 25228
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-D12

<400> 25228

cccacgcgtc cgcccacgcg tccgcccacg cgtccgggaa acacacgcac gtccgtccct 60
 ggctccgtgc gagcagacga aacaagggtt ttctgctgct gctcttgact tgcaaacaca 120
 ctgcccgggt ggctgcaccc tgctggtctc gaccccggtg ccgaaacctg ctgcgatcc 180
 gtgatccgct gcgagggttt cagcgccgac ggccccgttt ctgggcatgt gagctcacat 240
 ggggtggaaa acggagttca agggagggag atttgggtcca gtccagacca gacacggcca 300
 cgaccaaacc aattctccgt gggcgctccg acgtgcctgc acgggtcagt ctgaagagaa 360
 atctgggact cggcactccc gagtgcagag cgtagcc 397

<210> 25229
 <211> 354
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-D2

<400> 25229

ctcatgggag agtaccaccg tccctaccgg ggcgacctcc gtcgcccgc gtctccgtg 60
 cgggacccgg ccttcacgca cgccaacggc tacttctcct cctccgcctc cccgaactcc 120
 aacaacggct acttctctcc cgtcttcgcg aagaatgacg ctttccctgg gaccggcgct 180
 ggcgcaggcg gcgaccggcg gatcgagatc tacaccacgg cgctcctcc gcacctcccg 240
 ccgccacccg gccacacgct ggcgctgccc ccgccgacgg ggtggaagga ggggcgactg 300
 ggtggaggtg gaggcggcgg cggcggcggc aggaaagcgg gaggtggtgg gggc 354

<210> 25230
 <211> 325

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-D4

 <400> 25230

 ctcacgcgtc cgtccacgcg tacggtcaaa ttgtagttgt ctggcacgtg tcgcactgag 60
 ggaggagcag tctaccacgc taaacatgaa gccggagaaa gcgtgtacag taccggaatc 120
 catcaccatg gcgggatcag cgttgc tcaa cgtctcgtc ctccgcgcgc catccgcgtc 180
 gatctcgtgc tcgtctaagg tccgcaacgc cggcgccctt gtgttctcga acccaccgcg 240
 cttcccatcc ctgcgttctg agcgccgcgt cgccttccg cgggcggagg cggtcggtga 300
 ccctgaggac gagtgggtgc cggag 325

<210> 25231
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-D5

 <400> 25231

 cgcggtttt ctgacgaggc gccccgccca tcgcctgttg ccactgccgg aaagggaaag 60
 aaggtggcag aagaggagta cgacgagaag aaggtggcag cgaccccgca gccggccgcc 120
 aaagcacagg tgggtgggatg gccaccagtc tgcaactacc gcaagaacac gatgactacc 180
 acccagctgg agggcagcaa ggaggatggt gatgccaagc agggtcaggg gttcctgtac 240
 gtcaaggcca gcatggatgg cgcgccgtac ctgaggaaga tcgacctta gacttacaag 300
 aactacaagg acctgtcgac cgcgcttgag aagatgttca gtggcttcag tactggcaag 360
 gaccgtcat ctgagtaccg catggatggt gaatatgttc tgacttacga tgaccaggat 420
 ggaaattgga tgcttgcgcg cgacgt 446

<210> 25232
 <211> 458
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-D6

 <400> 25232

cggacgcgtg gggtcggagc agagagagac ttctctgcct ccatcccatc ccgccgccgg 60
 cgtctctacg gtcgctaata agcagccgca tccagggatg gagatgaaga agatcgcttg 120
 cgccgtctctc atcgccgcct cggccaccgt ggcgctggcc gcggaggcgc cggtcccgtc 180
 tcccaccagc ggctcctccg cggtcgcacc cgccatcgtc ggggccgccg tggcctcctt 240
 cttegcgtac tacattcact gagccgccgg acgaggagcc ggagccggag ggaagagacc 300
 aaggtggggg gagagacttg gctgcgctgc gctgctctgc tgctcccgcg cattcccgat 360
 gcgtgggcgt gctctgattg ggcacggcgg tggcagtggc acaccttcgt ctcccttttg 420
 gttgtttttt tttccttcct ctttctactt gattttca 458

<210> 25233
 <211> 450
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-D7

 <400> 25233

cggacgcgtg gggtcgaactc gatcgatcca tcgcatctct gccttgtatt ttggatgtcg 60
 atccgtgtgg actgttacia aatattacat atgtgaccaa tccaaggggt gcgacagttt 120
 tccccaaagg acacaccctt tgggatacac cccttcactt gtatataagt gtaatgatct 180
 atggaataca atcactgttc tctgcctctc tctttgttac cactgagtaa acttgagtat 240
 acttcaacac gttatcagca ctgcttgcca gatcagagaa aaagacttgt gctaagttcc 300
 ttgttcagat gaacgtggac ttggatcgct acagcatgca acaacggatt ttcttaaaac 360
 anatcgctca taagttggag aaaggtgatg gtatggaaac tactcttncct ctccgctttt 420
 cgctgtctgc tgtctgcgtg taattttata 450

<210> 25234
 <211> 441
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-D8

 <400> 25234

ccacgcgctc cgagaaggag aactgtacca aaagtgcaga aggccattct ggactctgca 60
 ttgcccattg tgggtgaagg cggtgccagt ttccagactg cacaagggt gctcagggaa 120
 gcacaaagtt ctgcaaggca catggtggag gaaagcgctg cacattcgctc ggatgcacca 180
 gaggggctga aggcagcact tcattttgta agggccatgg tggaggcaag cgctgtgcct 240
 ttcagggcgg tggcgtgtgc ccaaagagcg tgcattgggg cactcagtat tgtgttgac 300
 atggtggtgg gaaaagggtg gctagctttg gttgcactaa gaggctaga gggcgcacag 360
 agtattgtgt gcgccatgga ggtggcaaga ggtgcaagtt cgagagctgc accaagagtg 420
 cgcaggggag cactgatttc t 441

<210> 25235
 <211> 305
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-E1
 <400> 25235

ccacgcgctc cgccacgcg tccggaaggc catcgccaaa gacgtcatcc cggcgaactg 60
 gagacgcgat gccgtctaca cttgcaacgt ccaattctac tagactttga attcccttcg 120
 attcatccgg cacagcgggc tatggacctt cagcagcaag ctaattaagt tggcagcatg 180
 caccgctaac cttatatact actgagactt ccaaattcta gtatatgtaa tccttttggt 240
 cgggttcatt atcgaattcc aaagagtggg aaacaagcaa aaggttaaat atacatgcc 300
 ttttt 305

<210> 25236
 <211> 385
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-E10
 <400> 25236

acgatccagg acacggacgg cattcctcca gaccagcatc gtctgatctt tgctggcaag 60
 cagggggagg atggttgac cctcgcggac tacaacatcc agaacgagag tacccttcac 120
 ctatgtctcc gtctcaggg tagtatgcag atctttgcga agaccctgac tggaaaaacc 180

atcacccctgc aggttgagag ctcgacaccc atcaacaatg ttaaggctaa tatccaggac 240
aatgaggtca tcccccgaa ccagcagcgt ctgatcttcg acagcaaaca gatggaggat 300
ggcaccacct tagcagacta caacatccac aaggagagca ctctccacct tgcgctccag 360
ctccttggtg accactaagt catgg 385

<210> 25237
<211> 391
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-E11
<400> 25237

gaaacgtcag tcctgtcgat ttgcctaaat actggtgctc tgctctacat gataccattg 60
gggcttactt actccataag cacacgcgtt tccaacgagc ttggcgctgg gcagcctcag 120
gccgcgaaga tggcagcaaa ggtagtcatg tacatggctt tgtctgaagg actcgttata 180
tccttgacga tgaccctgct acgcaacatt tgggggtacg tgtacagcga cgaggaggag 240
atcgtgacgt acatctctaa gatgttgccg atcctcgga tatctttctt catagatggg 300
ctccatagct ctctttcagg ggtgctcaca ggctgcggaa agcagaagat cggcgcgggc 360
gttaatctcg gagcgttcta cttgctagge a 391

<210> 25238
<211> 387
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-E12
<400> 25238

agaacgcctg ccgtcgagct agcactctag caattccacc caataactaa taacatctcc 60
gcgaaggcca ggttccttgg accactatat ccaggagcga cgaagtgatc caccgcag 120
ccatggagat gaagaaggtc ctctgcgcgc ccctcgctgc cgccgtctcg gccaccgacg 180
tgctggccta ggtcgctcc gaggcgcct tcgaggcgcc cgccggcgcg gccggtggtg 240
cggctggccc tagcgcaagc ggcgcgcgac acgtcgccgt gcccgacgcc ggggcgctcg 300
tcgcctactt cctcgactac tacctccact gagcgacgac gcgcggggcg gcaacgatgg 360

gatgcatcgt gtttgatca tccgatt

387

<210> 25239
<211> 369
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E2

<400> 25239

cccacgcgtc cgcccacgcg tccgcccacg cgtccgccc cgcgtccgcg gacgcgtggg 60
gaaaggtggg gttttcctac atataactgg gaggagatgt caaaggataa ttatgggtgg 120
tggcgagctc gtctgacaca gatggcaaag tacttcacag catacaggat agaccacatc 180
ttgggtttct ttaggatatg ggagcttcca gatcatgctg caacaggttt agttgggaaa 240
tttagacctt ccatccctct tagtcaggag gagcttctaa gtgaaggctc atgggatttt 300
aatctgatga gcccaaccata cattctgcag gaaatactgg aagagagggt ggatcctctt 360
gacagtcatt 369

<210> 25240
<211> 216
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E3

<400> 25240

cggagaaacc ttctgactaa ggccgccgctc ttgaggtagc gcccgctgcc gactttcttg 60
gggtcgaggt tgatgatgat catgccaggc ctgaaatcga agttctcctt gacaatcttg 120
aggatctcct tgccggagat cgcgccagtg ccgtacgtgt cgactaacac tgacagaggc 180
tcgggcactc cattggctta agacacctgg accatg 216

<210> 25241
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E4

<400> 25241

cggacgcgtg ggttcgaata acacaggtga gcgcgacgat gggatccctc gctaataaca 60
 gcatggtcgt gggcgccgtc cttgcccgcg tcgtcgccgg cgggtcgtgc gggccccga 120
 aggtgccacc cggccccaac atcaccacca actacaacgg caagtggctc accgctaggg 180
 ccacctggta cggtcagccc aacgggtgccg gcgctcctga caacggcggt gcgtgcggga 240
 tcaagaacgt gaacctgcca ccctacagcg gcatgacggc gtgcggcaac gtccccatct 300
 tcaaggacgg caagggctgc ggctcatgct acgaggtgag atgcaaggaa aaacctgagt 360
 gcttcggcaa tccaatcacg gtgtacatca ctgacatgaa ctacgagcct attgctccct 420
 ac 422

<210> 25242
 <211> 394
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E7

<400> 25242

cccacgcgtc cggacgacac cagcggcggc gggcgcgggt ccatggagtt ctggccggag 60
 gtccctggcct ccagcggcgg gcgcgagttc gtggccggcg gggcggcgcg catggcgggc 120
 gtgctggcgg gccacccgct cgacacgctc cgcacccgcc tccagcagcc gcccgccgcg 180
 ggcgcaccac gcccgccgga cgcgcacccc tcagccccgc gcctcctacg cggcctcctc 240
 cgcgcgcgagg gcccttgccg gctctaccgc ggcattggcg cgcgcgtcgc ctccgtcgcc 300
 ttccagaacg cgatggtgtt ccaggtgtat gcggtcctgt cgcggtcgtc gggccccgtc 360
 accttcgagc cgtcgttcta cgcgagcgtg gcgc 394

<210> 25243
 <211> 387
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-D11

<400> 25243

cccacgcgtc cgctcagcag cactgaacag tctcttcgcc attgggtgtg ccagcggagc 60
 atttattggc ggggtgatag cagatcacct gtcaaagtac ttcccagatt cggcacgggt 120

catgtgtgcc cagtttagtg ccttcatggg catcccgatt tcttggatcc tcttcacagt 180
catcccccag tcagttgact actggtatgc ctccgccgtc acgcttttct tcatgggcat 240
cacgataagc tggtagcgca cctcgacaaa caaccccatg ttcgctgagg tggteccctcc 300
caagcaccgg accatgatct acgccttcga ccgtgcgttc tacggctcat tcgcctcggt 360
ggctggccct gcagtgcgcc taatcac 387

<210> 25244
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B6

<400> 25244

ctcgtttcgt tgcggcgcc tcttctctct cgtctctgtg cccctcgcc cgcctaattct 60
gtcgccgagg ccttgccggt gccgcagacg gccatggacc tgcgaagggtg cccttgtgga 120
aagatccgtt gagcccagc aagtggaagg aagagcactt tgttctagca agcctctcta 180
tgtggggggc tcttttttat ggtggtttca agttttttgg tggaaagaag gaagacaaga 240
ttgaggtggc atcaggacag acataggtgg ctgggatggg agttcttgcc tatttctgtg 300
gccaggcaac aatgttaaataaaaaggaatg tggtatattg tgctttcaag atgataaatt 360
gtggcaacca ggttttgatt atgtatgcaa tattttgaca agctactctt atccagcatg 420
aatgacttca tgtagtgcg attgagtaga tggtttactt ct 462

<210> 25245
<211> 77
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B7

<400> 25245

cgagcgcgtg ggcggacgcg tgggttctcg ttcatggaga ataatatattg gtgttgagg 60
gtttactaaa acttatt 77

<210> 25246
<211> 385
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B8

<400> 25246

ggcaacttct tagctacaca caatctcata gagactatga gagaacggat gtttaaacct 60

gctttgtcaa ccattatcac agagaacaca gaagtcgcaa ctgtttccct ttcagatcca 120

gtttgtgtag cagcacggaa aatgcgtgag ttacaagtta attcagtcatt tattactgct 180

ggaaatttgc ttgatgggat ctttacccca agggatgtgc tgatgcgtgt tgtggcccaa 240

aatctttctc ctgagttaac tctagtagaa aaggtaatga ctgcacaccc tgactgtgct 300

acattggaca caacaatcct tgatgcacta catatgatgc atgatggcaa attctggcat 360

attcctgttc ttgatggaga tgggc 385

<210> 25247

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B9

<400> 25247

caaaggcagc acactcagct atccagcaaa tgagatcgag acgcaggagt catggccacc 60

gtgagcgccg ccgtggtgac caccatcggt gcccgcgccg cgatcgccag gcccaatgct 120

ctagggctgc ctgcgttgag ggcgaggagc gagagggtgc ggtgcagcta cgccaaggat 180

gccaagaacg cggccccagt cagcaccaag ggcgcaggcg cgtcgtgct cgccgcagcg 240

ggcgcggtga ccgcgtcggc ggggcccgcg ctggcgctcg tggacgagcg catgtccacg 300

gagggcaccg ggctgagcct cgggctcagc aacaacctgc tggggtggat cctcctgggg 360

gtcttcggcc tcactgtgtc cctctacacc atctacacct c 401

<210> 25248

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C10

<400> 25248

gcaaacaaag tttggagact atatgccttc ttcttgctta caaaatcaag taccctgaga 60
 acttttgtct tctgaggggc aatcatgaat ggcctcaat aaacagaata tatggattct 120
 atgatgaatg caagcgtcga tttaatgtgc ggctatggaa ggtcttcaca gaatgtttta 180
 acactctacc tgtggctgct cttatcgatg ataaaatatt atgtatgcac ggtggactct 240
 ctctgatct agcacacttg gatgagataa agaacttgca gcgtccaact gatgtaccag 300
 atcaaggtct actgtgtgac ttgctttggt cagatccagg aaaagatgct caaggggtggg 360
 gcatgaatga tagaggggtc tcatatacct ttggtg 396

<210> 25249
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C11

<400> 25249

ctcggcgcca ggtaccacgc cgccgacaac gaggacctgc cggagtccgt cgactggagg 60
 ggcaagggcg ccgtcgccga ggtcaaggac cagggcagct gcgggagctg ttgggctttc 120
 tcaacaatag cagctgtgga aggcataaac cagattgtta caggcgactt gatctcctta 180
 tctgagcaag agcttgtcga ctgtgatact tcgtacaatc aggggtgcaa tggaggtctg 240
 atggactatg cgtttgagtt catcatcaac aatggcggaa tcgacaccga gaaggattac 300
 ccttacaagg gcacggacgg acggtgtgat gtcaacagga aaaacgcgaa ggttgtcact 360
 attgacagct acgaagatat accagcgaac gatgaga 397

<210> 25250
 <211> 396
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C12

<400> 25250

cctcaagctc tgctcctcct ttccactgc tctgctctg cgtctgcgtc tgcgtctgca 60
 gtgctgcgcy tctccctccc ccgcctccg cctccgcccc ggcaaaaagc aaaacacggc 120
 catggaaggc tacgaccgcy agttctacca gttcagcgac cagctgcgcc tgcagacggc 180

cgcttctcg ggcctctccc tcggcgactc catctgggtcc cccgccggcc ggcgcaacaa 240
cagcaacgac gtcctcttcg ccgcctccgc gtcgcccgcg gacgccgccg ccaagagcaa 300
cgccgtcgtc gggctcaagc tcaacgacgg agggcccggc ctcatcggct ccgggaagct 360
ggccttcggc ggcgccggag ggcggggcac caacaa 396

<210> 25251
<211> 290
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-C2
<400> 25251

caccgtacca ttccgtccgc agaggagagc cctcccctcc accggcttac ccgcccctgg 60
gccagcgatc ggcctgctt ccggggcgctc cagccttggg ccggtcgccg ggtgcggcgc 120
tggtcctggg ttgggtcttc ccatggcatc tctggagcac gaggtggtgg tcgccatggc 180
atctctggag caggaggcgg tggtcgccgc ggtcgtcgtg gagaacgtga cgccgtagca 240
gcaaggcgga agttgtggcg gcgcacgagg aggaggggat accggtagcg 290

<210> 25252
<211> 419
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-C3
<400> 25252

atcgaggccc cgtacagatg gttcttccag tgaaggatct cctagccccg gtaccagtga 60
gggatgtgct agccccggtg ccagcgctcc gaacgaagag agcaaccctg cgactgcgag 120
caagaggccg tatctcgaga ggaactactc cgtgctggaa ccttcagaag ggagccagct 180
cgtcgacgac gtggaagggg aaagctctat cgagaacgtg ggaaacagct tgagatcaac 240
aagaaggcga tggccgctct ttacaaggag cttgaggaag aacggagcgc ttcggcggtc 300
gcggctagcc agacgatggc catgatcaat aggctgcagg atgagaatgc tgcaatgcag 360
atggaggctc tgcattacct gaggatgatg gaacatcatg ctgaccacga ccacctggc 419

<210> 25253

<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C5

<400> 25253

ccgcactctc agcagcttca gcatgaactc cgcatacagc gagaagaagc ccagcagcaa 60
gggcgcaagc gcaactgata ccgcacacgg gtgatgttcc acatccatgc ctataggcca 120
ctcacctcac cagcagcgt taccggccgt actactatat ctacatacga ccgtgggaca 180
acgtcgaccg gagctcgatc ggccgagttg ccgcattggc gtggctgtca aagttccttt 240
gtttctttct tgatttgtgc ttgcgttggg ttcggtgttc cactttcttt ttatgtgatt 300
attaatcttg ttttcagatg catgtacgca tgtatgtgcc ggcaccattt ggtcttgtgt 360
taagtttatt cttggattcc aatctctagt gtagggctgt ttggtttgtg tgtgcaatgt 420
gtactcatac caacttctgt ctttacaatca gtatttatta agaaatagca at 472

<210> 25254
<211> 470
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C6

<400> 25254

cccacgcgtc cgataccatc cagtacatcg attctcccc caagatcaaa ggccggagaa 60
ggaggaagaa aggttaggga gtcggctatg ggatgctttt catgctgctg tgtggcagat 120
gacgacaacg ttggcaggag gaagaagcat gacgatccct atgttcctat ccctgctcat 180
gtttataatt ttggacctag ccggttccca gcccacacc ctgtcatctc cactggcaga 240
gctcagccaa ttgcagtacc ggccattcat ctggaagagc tgaaggaaat tacaaaaaac 300
ttcagcagtg atgccctcat tggcgagggc tcgtatgccg gactctatct tgggtgtgctg 360
aaagatggga cgaaatctgc agtgaagaag cttgactcca gcaaacagcc tgatcaagaa 420
ttccttgtgc aggtttcagc tgtctcaagg ttgaaacatg agaatgttgt 470

<210> 25255
<211> 447
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-054-Q1-K1-C7

<400> 25255

cttgtttgcg cctcgccgtt gattgatgcg ctactcatc tcacatgggt gggactcttt 60
gctcttggag caccacctgt ctagtgggag ctactccagc ctctagacac caactccagc 120
gccccgtat ggaacaacaa ctccaccctc actgtctgga cagcaagatt cattcacctg 180
tcatatagtt tcatcgatga atctgaaact tttattgctc ctgtgttgcc cctatccaaa 240
ggatcatgttc cttggatcaa ctgtaagggtg aaccttttat cctgatatta tgatgtgggt 300
atgtattcta tgttctcaac agtaggagta cattctaaag atcatagggt agaaatcttg 360
cgccataaga tagctgctaa agaaaatgaa ctaaaagggtc aaaagagacc tttggctgct 420
gntgctacca agaatgcaga tttttct 447

<210> 25256

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C8

<400> 25256

cccacgcgtg cgcggacgcg tgcgcagact cgtgggtgga aatccaggac aagttgacgg 60
gtgagtggaa gccatgaag ctctcttggg gcgccatctg gaggatggac actgccaaag 120
gcgctcaagg gccccttctg catccgcctt accagcgagt ccggcaagaa ggtcatcgcc 180
aaagacgtca tcccggcgaa ctggagaccc gatgccgtct acacttgcaa cgtccaataa 240
tactagactt tgaattacct tcgattcatc cggcacagcg ggctatggac cttcagcagc 300
aagctaatta agttggcagc atgcaccgct aacctaatat actactgaga cttccaaatt 360
ctagaatatg caatcctttt gttcagattc atgatcgaat tccaaagagt ggaaaacaag 420
cacaaggtta aatatacatg ccatttttgg aggctttttt 460

<210> 25257

<211> 344

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C9

<400> 25257

gcttttcgagg ctagggttgc ctctctctcg tcgtcgtcca catggcgcgga atcctcatgc 60
ggctcctcct cctcgccgcg gcggcgggcg tggcgggcg ggacggctgc ctcaactccg 120
gctgctgcgc gctgggctcc tacctcgtcg cccgggacca gaacctcacc tacatcgcca 180
gcctcttcgg caaaaacgac taccacacgc tggcgcccta caaccccggc accaccaacc 240
tggactacat ccaggccggc cagagcgtca acatctcctt cacctgcgac tgccacacgt 300
tccccaaactc ggacgccacc tacctcggcg gtccttcca gcac 344

<210> 25258

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-D1

<400> 25258

atcgcgagcg gtcgctcgcg atctagaact agcggacgcg tgggcagtgg tccacgtggc 60
gatcactgga tgtgggattc tcgcctatctt aactatggga actgggaagt tttaagattt 120
cttctctcca atgctagatg gtggctcgag gaatataagt ttgatggttt ccgttttgat 180
gggtgtgacct ccatgatgta cactcaccac ggattacaag taacatttac ggtgaacttc 240
aatgagtatt ttggctttgc caccgatgta gatgcagtgg ttactttgat gctggtaaatt 300
gatctaattc atggacttta tcctgaggct gtaaccattg gtgaagatgt tagtggaatg 360
cctacatttg ccctttctgt tcacgatggt gggggtaggg ttgactatc cggatgcata 420
t 421

<210> 25259

<211> 349

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-D10

<400> 25259

acgcgtacgc ctgtgctgac gcttgtgaaa aattataatt atacatcaac aaaataaata 60

taaagtaatg gaaaaaaaaat aaaaaaaaaa aaaaaaacca aacctttttaa aaaatccaaa 120
cattcatact actttctttc aacctcatat ttttacttta ctattaccta ctttcattta 180
actactcccg ctttttcaac ctaattcact ggtaaaaccc ttcttttccc caatttaatc 240
tccttctatt acatccccctt ttctcaattt ggctctttt ctatcaaccc ctctcctttc 300
gactttccca ccctttcccc actetaattc ctcaattgta ,ctccccctt 349

<210> 25260
<211> 181
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B4

<400> 25260

ctgacgcgtg cgcgagcgcg tgggctgcgc cgttcagga tccacatctt cccgagcgcg 60
tgctgggttg acctcttgct ctctggacca cctccaaggc tcttggtgta gcttgccact 120
ctcaccaatc aagttttcat gtctgatctc gacattcaga tcccaactgg cttegatccc 180
t 181

<210> 25261
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-A1

<400> 25261

cctgcatcac caccaaactc aacaacagcc agctcgcgaa aataatgaag agccgcagca 60
tggcatcatc ggccgcgctc ttggtgctag cctcgcgct agtggcggcc accgccccac 120
aggtagcggg ggcaaagaag aagagagcgg cggagagcgg cgaggcgggc gaggcgaaga 180
agatccagga cgacttctgc tcgacgctgt gcgagggcaa gaaggggacg gacctggctc 240
tgtgcaagga gtctcgcgcg ctctcccagc agtccaacct ggtgctgtac ggcaggatcc 300
agtgcaaggg caagtgcacc gagcagaagg gcatcacggc gccggccatg aaggtctgcc 360
aagaggagtg cgacaaggcg tacgtggtga aggcggccga ggtcacc 407

<210> 25262
 <211> 400
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-A11

 <400> 25262

 atccggagca gccgcagtc caccgacccc tccgccggtc gccctccatc tctcgcgcgg 60
 ggctgtcgt ttctcttttc aataatcaag atgagccgtg gtggtagtgc cgggtggtgg 120
 caaagttctc tgggttatct ctttggaagc ggtgagcccc ccaaaccagc agtggcacca 180
 gctgcaagtg ctccacctgt tgagaaacca tctgctgcaa agactgatgc ggccaagcat 240
 gttgctgctt gggttaccag ccaaaccaat aactaccaca aggtgatgg tcagaacact 300
 ggcaacttcc ttacggaccg tcttcaacc aaggtccacg ctgctcctgg cgggtggctct 360
 tccctgggct acctgttcgg tggcaactga tgcccgtgct 400

<210> 25263
 <211> 391
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-A12

 <400> 25263

 acgcccacgc gtccgggggtt gttctaggtg gactgaagga atatctcaag acaattaggc 60
 gctgtataag ggtggtatct attggttgtg gaacaagta caatgctgcc ttagctgcaa 120
 gaccttttgt ggaagaactg actggtattc ctgtgactat ggagggtgca agtgacttgc 180
 tggacagaca aggtcccatc tacagagaag aactgcagt ttttgttagt caatctgggg 240
 agacagcaga taccctactt gctctagatt atgcactaga aaatggagct ctctgtgttg 300
 gcataacaaa tactgttggg agcacgctgt ctagaaaaac acactgtggg gttcatatca 360
 atgctggttg tgagattggg gttgccagta c 391

<210> 25264
 <211> 406
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3066-054-Q1-K1-A2

<400> 25264

ttcctcacia cctcaccggt ctccatccac gcgggtccaa cgccagccac agcacgagcc 60
atggactcgc gcgtcgtgga cggcgcaggt ggggggtgccg acgcctcctt gccggccgat 120
ccgccgagcc ccgtgcccga tccggccgcg ggcgggatgg atgcgcgcct gccatcggac 180
ctgcttcgtg cagtgtctga aaggctgccg ccgatcgacc tcgcgcggtc cgcttgcgtc 240
tgccgagcgt ggcgcgcggt tgctccgac cgcgccgtgg tcgaggccgc cttctgtgcg 300
ccctggggag tgcggcgcgt cgtcggagag ccggcgacgg tggccttctg gcggggccgcc 360
taccttggga gatttgcgt gtcgcgtgcg atccgncgcg gggata 406

<210> 25265

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-054-Q1-K1-A3

<400> 25265

gtggaactca cttcagactt tgtgtatccc tacagaaacc agggcggatt cgatatgac 60
gtgcagtgga agggacaaga ttgaaacacc ggagcagttc aagcaagctg aagacacagc 120
caacaagctt gatttggatg gacttgttgt cattggtggt gatgattcaa acaccaatgc 180
ctgccttctt ggtgaatact ttaggtcaag gaacctgaag actcgtgtta ttggttgccc 240
aaagactatc gatggagatc tgaaatgtaa ggaggtacca acaagctttg gatttgatac 300
tgcttgcaag atatactccg aaatgattgg caatgttatg actgatgcaa gatccacagg 360
anaatactac cactttgtga ggcttatggg tcgtgctgct tctcacatta cattggaatg 420
cgctttgga acacacccca at 442

<210> 25266

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-A4

<400> 25266

cgtggatggc ggtgccacaa cctctcctgc tgtcgtctgt ggtcgccgtg ctagcggtgg 60
 gcggcgatgt cgccaacgcc ggccacgcca agcccctaac gcctggcggg cgcgtaggtac 120
 acgacaacca cggcaagtgc acggccgggc cgtggaaacc cgcccacgca accttctacg 180
 gcgggctga cgggtccggc accacggcgg gcgctgcgg gtacaaggac acgcgcacgc 240
 aggggtacgg cgtgcagacg gtggccgtga gactgtgtgt gttcggtagc ggcgcggtgt 300
 gcggagggtg ctacgaggtg cgggtgcgtg acagccctag cgggtgcaag cccgacgcgg 360
 gaacgctggt ggt 373

<210> 25267
 <211> 448
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-A5
 <400> 25267

ctgcgcaaaa ttgcaacctt ccccgagtgc tccaggtccc gtggccgggc cccagatcct 60
 gtccaatccc aatccaagta tcgaacggat cccatcggtg gcgctcgagc gagcgagtgc 120
 ggccggaacc gagcgaagat gggcatctcg agcatgccgg cgcccagga cagcctgctg 180
 ggggttcgtgc tgtacaacac ggccggcgtc gtggcgatcc tggcgggggt ggtgcgcgcc 240
 gcgctgctgt tcctgggcct ggccggcggc gaggacgagg agcccgggca gcaggcggag 300
 gccgtgacgg tcacggccgt gggggccagc ctacaggacc ggttcgggag cagggtccgg 360
 ccgtcgcgct acgggcggcg ccggggcggg gactgccgcy tgtgcctggt gcgggttcgag 420
 acggagtcgg tggtagcagc ggttcctt 448

<210> 25268
 <211> 473
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-A6
 <400> 25268

gcgatattca gcagaatgaa cattgggacg ctagatgtcg gggattttct cgctattgga 60
 gctatctttt ctgcaacgga ttctgtgtgc acgtgcagg tcctocatca ggatgagacg 120

ccctttctgt acagtctcgt gttcgggtgag ggagtcgtga acgatgccac gtctgttgtg 180
ctcttcaacg cactccagaa cttcgatctt aaccacatcg atgtagccgt tgtgctgaat 240
ttcttgggaa acttctgtta cttattcgtg tcaagcacct tacttggagt gtttactgga 300
ttgctcagtg cctacataat taagaagcta tatataggaa ggcattccac tgaccgtgat 360
gggtgcgtta tgatgctcat ggcttacctc tctacatgc tggccgagct gctagatctg 420
agtggcattc ttaccgtatt cttctgcggc atcgtgatgt cacattacac ctg 473

<210> 25269
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-A7

<400> 25269
ggcgggcctc gaggcctccg tccgagccta tggcagcagc gccggcgcag gcggggcgggtg 60
gcccagcccg ttcaccatcg cctgcgggcgc cctgctcgcc ttgtccctgc tcgcgcgcgt 120
gtcccccccg ctgcggtggc tggcgggtggc ggcggcctgc gtgggctccc agcccatgct 180
gctccggggcg ttcgccgcgg cgggcaagct gacgctggac atcaacatcc tgatgctcat 240
cgcggtcgcc gggtccgtgg cgctcgggag cttcacggag gccggcgcca tcgtgttctt 300
cttcaccgtc gccgagtggc tggagacgct ggcgtgcagc aaggccagcg ccgggatgct 360
gtccctcatg tccacggtgc ccaagactgt cgtgctggcc gagacggggc aggtcgtcgg 420
catgggc 427

<210> 25270
<211> 470
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-054-Q1-K1-A8

<400> 25270
gtgcctcggc gccatctgcg gcgtcggcct cgtcaaggcg ttccagagcg cctacttcga 60
gaggtacggc ggcggcgcca actcgctcgc ctccggctac tcccgggcca ccggcctcgg 120

cgccgagatc atcggcacct tctgtctcgt ctacaccgtc ttctccgcca cggaccccaa 180
gcgcaacgcc cgcgactccc acgtcccggg tctgggtccc ctccccatcg gcttcgccgt 240
gttcatggtg cacctggcca ccatccccgt caccggcacc ggcataacc cggccaggag 300
cctggggcgcc gtcgtcatct acaacaagga caagccctgg gacgaccact ggatcttctg 360
gggtgggacct ctctggggcg ctgncatcgc ggncttctac caccagtaca tntnccgggc 420
tggcgccatc aaggccctcg gtccttcag gagcaacgcg tgatgagcgg 470

<210> 25271
<211> 336
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B1

<400> 25271
aataaccaat ttattggatc aaaaagaaag tagatgttat cacaggatgg ctacataaac 60
cttctgtgtg aagtaaactg tgagtacgaa gtcaatccct ggaaccagaa aatgcaaaag 120
agatctacgt gcacgaagta gctctgccac tactggactt cactaccacc tttctctcac 180
atcatccgat ttgttctgtt ttccgtaaag tggtgggttcg ctatcagttc aagtcaactgg 240
caggccgtgg ctgtggatca tcaccttcac gaagagaata tcgaaagaat gttcttctta 300
acgatgaatt catcagcttt ggaaggactg attgac 336

<210> 25272
<211> 67
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B11

<400> 25272
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aactagttct 60
agggcg 67

<210> 25273
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B12

<400> 25273

cggacgcgtg ggcacgcatg tgtaatgcat tgcttgggat ccaacccaat ctagtatagc 60
gtggcatggg tcggcttaaa gtattgtcag cactaaagtt aattatttgg cgggtgtaggc 120
gggtgtggcc ttccagttgg cagggatgac atcgctcgtag acggacttgg tgccctccctc 180
ggtagtgagg cggacggtga ggggtccctt aagcggtttg tcgctgtcct tccctccagat 240
ggcgccccag gagtgcctca gagggctcgtc cgtgtcggag cccttctcct tgacgtccac 300
tgccacaatg tcaccgtcgc cgtccacgta cttgaccagc agtgccaggt agttgggggc 360
gcaccccttt tcaaggtgga aggtgacctt ggagtcg 397

<210> 25274

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B2

<400> 25274

ggatgggcct cttaccattc tttcttcaag tgccctgatgt aatgatgtag tgtattgtat 60
gaatagataa tgacatttac tgcctagctt aatttttacc actgactatg gtagcagcaa 120
gccactgatg cagcaaatta ttgttgcagt gactagctgc attgtagctg aagctagcag 180
aagcgagcac ataaaaattt ataggcaatt tataccttgt gagttattca tatcatcagc 240
tcatttttcc ttatggattt gtgaatatga atgttgtgga tgcagataat tatgttatgt 300
acccttagaa ataccacaat gttgtaacag gtgaactaga gcagagagag aatacattat 360
tccagattaa caaccttttc tt 382

<210> 25275

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B3

<400> 25275

ggaccagggg cagggagcaa caaagctgag tcctcctcct ccatggcggt acggtggcgg 60

gcgacgttta caaaggcgag ctgacgccgc tgcagcggca cgtcgccttc ttcgaccgga 120
acaaggacgg cgtcatctac cccgccgaga cataccaagg gttccgcgcg atcggggccc 180
gcgtcacgtt gtctgccttc agctccgtct tcatcaacgg cctccttga cccaagacca 240
taccggagaa cgagaaggct ccagctttca agctcccat ctacgtgaag aacatccaaa 300
aaggaaagca cggaagtgat tcgggcgtgt acgatgccaa tggaaggttc gttgctgaaa 360
aatttgagga gatcttcaag aagcatgccc acactaggcc agacgccctg acaggcaaag 420
agctggaaga gct 433

<210> 25276
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H9

<400> 25276

aaaccgcacc cgagcggccc aaatcgggat ctgacggcaa tcccccaatt cgattccatc 60
ggatgggttg gcgttggcac gacgacgacg gtgacagcgg cgggggcctc ggcggtgtcc 120
ctgacctcgc tgggtggcggg ggcgatgggg cgcagtgcgc cacgcgacgg gtggtgcagt 180
cccgtgccca cacggaggaa gtcgagcccg gccgatttgt ccgcaagtgc gagaagacgg 240
agcagctcct ccgcgactgc gtcggcaggg cctctgaact ggtggaatcc aaaactgaaa 300
acactgaaga agatgtcaca gaagaaatga agagcgggtc actttctctt gggtttccaa 360
gaaacgagcc cttcgatttc cc 382

<210> 25277
<211> 466
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G3

<400> 25277

ctccgcttct cacccaaccc tccaagcaac attgaccgca aagggccatc cgctgoggtc 60
agtgtgggtt tctgaatcat agcttggcga tgcctgaggc tagacaaata ctgagctagc 120
cttcagaaaa aaaaagaaaa gaaagagatt gagaagcagg gagaaaaaat ggcactggcc 180

cattgaggaa gcttgagaac cagttaacaa gaattgccaa catattcttg gacaatcttg 240
 ttaacagagt ttttaagggtt cccagcagag aagagcgcgt gcaaccacca cattcatata 300
 attaataagc aagggtttaga gaagaggcaa catgggcaca aagatgaaga aggggatcct 360
 gaagccgttc cgctatatct caaccatcat ggatggtaag gaggctgaaa tgcaaattgg 420
 gttcccgacg gatgtaaaac acgtggcaca catcggttgg gatggt 466

<210> 25278
 <211> 465
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-G4

<400> 25278

gccaaaagct gttggataga gcagcaactg cagagaaaag attccaaaaa ggatggaata 60
 cgctcgggtga agaagggcgt tccattcaac acgagttgctg tgagattagt gatattgaaa 120
 accaagcagt aggtctgaag ggaattcttg atcagcttcc cagagcacat gcattctgaat 180
 ttcggtcgaa gatgtctggc ctagcttctc aggttaagaa ggagaagcga gtgctcaacg 240
 ccgccctcac gaagattgtg aactacggtg tccccatctg actgccactc cagccagttg 300
 ttctgagggg ccattgtatc agatttttgt gaaggaagac atgttcgatg tgtaggggtg 360
 acgctatact gccacttgg tttcgagaaa aggaaaagag aataagttgt gacccgtgca 420
 gatttctaata gtcgcanaag caacatcttt gaaacctgag taaca 465

<210> 25279
 <211> 462
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-G6

<400> 25279

gtacgagaga gagagcgtga tgcaaagctt agaaatagag aacaacagga acgagagaat 60
 ggaataaggt cgtatgccca ggatcgtgag gacaaagaga gaaaggaaag actagaacaa 120
 gaaagagaga tgaggcaaaa agaggaaaag gaaagagagc aacaaagact tgaagaggag 180

agagaacttg agcgacatag agaaagagaa agagctagggc aagcagtgga gagggctaca 240
aaggaggcac gagaaagggc agcttctgaa gctcgcgcaa aagcagagag ggaggcacgg 300
aaacgttcag aacgtgctgc tgtgcaaaga gccaacagg aagcacgtga gagggcagca 360
gcggatgcta aagatcgagc agagaggggct actgcagaag canacgaaag ggctgctact 420
gaagctaang agaaagctgc tagtcaagcg agggataggg ct 462

<210> 25280
<211> 463
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G8

<400> 25280

cggaacgctg ggcaaaccga gaggtgaacc agcagcctcc aataaaagcc agcacatgca 60
gtaaaaccga gagacctcag ccctcaggca agccgaccgc cgacgtacca ccgcgccaac 120
ccgagagaaa gatggagatg atcaagagga tctcatcgc cgcgctcctc gtagtcgccc 180
tctcggccac cgcatgctg gcctccaccg aggccgcccgc cgccggcgcc ccagccgcct 240
ccgagtcgtc ggcgtccgcc gaagcccccg ctggcgcccgc cgcgccggc gccggcaccg 300
gcaccgcccgc ggggcccctc gtcagcgggc cagagcccgc cctcgccgcc gcgcccgcgc 360
cgctcctctt ctccctactc gcctactacc tgcactaagc ggacggacgg acggacgcgc 420
gcattgcatt ggcatgcatg gactgttgaa catctatgca tgc 463

<210> 25281
<211> 393
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G9

<400> 25281

gccaaatatg gtagtgattg gctagatgcc aaggcgacat ggtatggcaa gccggcgagg 60
tgctggcccc gacgacaatg gtggcggtg cggttacaag gacgtgaata agggcccttt 120
caacagcatg ggcgcgtgtg gcaacgtccc catcttcaag gacggtctag gttgtggatc 180
ctgcttcgag atcaagtgcg acaagccagc agagtgtctt ggcaagcccg tgggtggtgta 240

cattacggac atgaactacg agcccatgtgc ggcgtaccac ttcgacctag cgggcaccgc 300
gttcggtgcc atggccaaga aggggtgagga ggagaagttg ctcaaggcgg gcatcattga 360
catgcagttt cggaggggtca agtgcaagta tgg 393

<210> 25282
<211> 286
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H10

<400> 25282

caccgatct gaccaaattt acatttaact gaaattcccc aattctattg catctgcata 60
attggaaatg acactaccac tacctataca tattcccttc cctcatcatc atccttaacc 120
taaactaacc aaccaaccaa ttacaccaa acatcacact acatgatctc cacatactct 180
atcacactaa taaactacat ccctccaat acatctacaa tacacacaat acctaccaga 240
ttctccaata caccattcac ataaactctc aactcaaata acccaa 286

<210> 25283
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H11

<400> 25283

cccacgcgtc cgccacgcg tccgcccacg cgtccgcca cgcgccgcg cttataatct 60
ggggagagca agatcgggtg ttccaatgg agctggctca cagattgaac cggcttctag 120
aggggaattc tcgattagtt gtcataaaaa atgctgggca cgcggtcaat atcgagaagc 180
ccaaggaagt gtgccggagc atcattgagt tcttcaagga gcctgtcgct ggagctgcaa 240
atgcggacga caaggtgtag tagcttccac taatggcgga cgtggacagg tcttcgctgg 300
gcatcggcag acggcgcacc cgcttggtggc acgcaaacac aaggcagata cgtggcattg 360
tacatctaca tccctctgcc attggtctga tgta 394

<210> 25284
<211> 395
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-H12

<400> 25284

cgcggtccggg agagactaga cccgctagct gagggccgggc ggcgcgctgg acacgaacat 60

gatggggaga aaggcgctcg gctgtgctcc tcttctctc ctcttgggcg ccgccgtcgc 120

tccggccgag ctacagctcg gggcgggcggc tgcctcgggc gcggtcaccg gggccgactt 180

ccccgcgggg ttcgtcttcg gcgtcggtc ctccgcgtac caggtcgaag gtgcagttgc 240

agaggacgga aggaagccta gcatctggga cacattcaca catgaaggct attcccttga 300

caacgccaca ggcatgtaa ctgcngatca gtatcataag tacaaggacg acgtnaagct 360

tctgcatgag aatgggtgctg atgcctaccg gatgt 395

<210> 25285

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H2

<400> 25285

gagaaagctg atgggagtga aatggatctt tctactatca ctacgccttc tacaagctgg 60

cgtcggccgc cgcatgaggt ggtcagttct gaagtccga aagctgggtc tggatgtcgt 120

caactaagga ctatcattac ccttttttta ttgaaatatg ttgagccgct aatgagcatt 180

caaaataatg agttggtggt gtacaatttt gccactgggg ctagggtcca tgcctagaaa 240

ttattttggt gtctttactc tgctgagctg caaaagcatt tcaccaaggg agtacatttc 300

acggttcttt ttggtttgca atgcctcaat atcaccagca atcttctaac ttaaaaa 357

<210> 25286

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H4

<400> 25286

aattcccgag ccacgcgtcc gctcagctct catgctcgct ctaaaactga tggagctaga 60

acaaaggctg ctgaggaggc tttcagggaa ctacagagtg cccggcagga ggccttgcaa 120
 aggaaaaagg ctgaaaagaa gaaactcatc gaggaggcag atgccaaact aagcgctgag 180
 tcaactccga agaaagaaga aaaggaaagg gctcggcaaa tgaagaagtc tggacccaaa 240
 gtgaagatgc tccgctctta acaacgtcat gattcaagaa tctatcatat cttggctttt 300
 gctattcacc tgttgattag catatagttc agtgtctgct agactcattt atattctaatt 360
 cctgtgagaa tgagcaaaaa ggatccagga gaaaagaatc ctactggcg tttcggcttt 420
 tattggatgt gtgccagaat tatccgtggc cccacgcaac ttcta 465

<210> 25287
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H5

<400> 25287

cccacgcgtc cgccacgcg tccgtggcgc tgtccggcgc ccacacgctg ggcttcgggc 60
 ggtgcaagga gttcgccgac cgctctaca acttccgcaa ccagggcggg aagccggagc 120
 agttcgaccc cagcatgaac ccgtcctacg ccagggggct gcaggacgtg tgcagggact 180
 acctcaagga cccaccatc gccgcgttca acgacatcat gacgcccggc aagttcgaca 240
 acatgtactt cgtcaacctc gagcgcggcc tcggcctgct cagcaccgac gaggagctgt 300
 ggacggaccc acgcaccaag cccctgggtg agctctatgc atccaacgcc acagccttct 360
 tcgacgactt cggccgcgcc atggagaagc tcagcttggt cggcgtcaag accggcgccg 420
 actgcgaggt caggctgcgc tgcgacgctt acaacagc 458

<210> 25288
 <211> 455
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-H6

<400> 25288

gagaaacaag gctcgacttg tggcaaaagg ttatgcccaa gtcgcaggtt tggatttcga 60

ggagactttt gctcctgtgg ctaggctaga gtcaattcga atcttgctag catatgccgc 120
 tcaccattct ttcaggttgt accaaatgga tgtgaagagc gctttcctca acgggccgat 180
 caaggaggag gtgtacgtgg agcaaccccc tggcttcgag gatgatcggg accccgacca 240
 tgtgtgtaag ctctctaagg cgctctatgg acttaagcaa gcccgaagag catggtatga 300
 atgccttaga gatttcttaa ttgctaatgc ttttaaggtt gggaaagccg atccaactct 360
 ttntactaag acttgtaatg gtgatttggt tgtgtgccaa atttatgtcg atgacataat 420
 atttggttct actaaccaaa agtcttgtga agagt 455

<210> 25289
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H7

<400> 25289

cccacgcgtc cgggtgagcg cgacgatggg atccctcgct aataacatca tggtcgtggg 60
 cgccgtcctt gcggcgctcg tcgccggcgg gtcgtgcggg cccccgaagg tgccaccg 120
 cccaacatc accaccaact acaacggcaa gtggctcacc gctagggcca cctggtacgg 180
 tcagcccaac ggtgccggcg ctccctgacaa cggcggtgcg tgcgggatca agaacgtgaa 240
 cctgccacc tacagcggca tgacggcggtg cggcaacgtc cccatcttca aggacggcaa 300
 gggctgcggc tcatgctacg aggtgagatg caaggaaaaa cctgagtgtc cgggcaatcc 360
 agtcacgggtg tacatcactg acatgaacta cgagcctatc gtcacctacc acttcgactt 420
 gagcggcaag gccttcgggt ccctggcaaa gcccgggctc aacg 464

<210> 25290
 <211> 313
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H8

<400> 25290

cagacgcgtg ggcggacgcg tgggcggacg cttgggggaa tgggtggtggt ggtgctggag 60
 agaagaatct cttttagtca tcctttttct ttgataggc tgctgaggct ggatttggtta 120

acgccaatgc gcctgtcgct aagggttaaac catcggaactt cagacaagct gcggagcgcg 180
 cttgctcggt gagcgtgaag aacgcccagg ccaccttccc tgggtgtacag aaggatagca 240
 tttcatatat ctgcattgac ctcgtttatt aattcacatt actcctggaa agattccgcg 300
 ttgatccgga cca 313

<210> 25291
 <211> 462
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G2

<400> 25291

cggacgcgtg ggggtgatttg aaataatcgg taataaatag ttcgtgaatc cctgaagcgt 60
 gcatgtatat attcctgcca agataaaggt aatggagtcg tcacgcagggt tccagccggc 120
 cgtcatcctg cttctcctgc tcattgtgtc caccgatatg gcacaggcaa ggggaatgcga 180
 gaagtacagt gagcgatttg ttggggcatg catgatcgca gacaactgcg ccaatgtgtg 240
 ccgcggtgag ggcttcttgg ccggcagggt cagcaccttc cgccgcccgt gcatctgcac 300
 taggcagtgc taaacaagat cgctcgatcg ctgccatgc atcgacaacc tattcttaat 360
 aacgttcatt atctcgttct tatttatgac gaatgtcatg tatgttctgg tgactgtcat 420
 gtatatcttg atgactgtca tgtatcttgt tcatgtatgc tc 462

<210> 25292
 <211> 459
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C8

<400> 25292

cggacgcgtg gggcgcgcca tcaactcaact cgatecgaccg cctccgtgtc cgtgccctac 60
 agctgggtcat gagcgcccg ccaaccatgg cggcggcggc gcccggtgcg gcctgggtgg 120
 tggcgctggc gctggtgctg gcggtgcgcg tgctccagcc gcggccgtcc gacgcccgcg 180
 cgcagcccg cccgcagtcg ccggcgacgg cgggtgtcgtc gggcgccgcc aagcccaagt 240
 gcgtggccgg cgccaggaac gaccacgcgt gccgcgtcgg cgccgtgcac gaccgggaca 300

gccaggagga ggagggctcc agcgtcacca tcgacgcgcc cgccgccgcg cccgacgacg 360
 tcggccacga cgacggcagc gactacaacg accccgacgt gccaacaac gaccagctcg 420
 tcgtcgtogg ccactgaaag ctgccgcgcg cgcgcgcgc 459

<210> 25293
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D1

<400> 25293

aaaaaaaa aaataaaaaa aataaaaaaa attaaaataa aaaaaaataa aaaaaaaaa 60
 taacaaaaaa aaatatatat aaaaagtcaa aaaatattat attataaaaa attaaattgg 120
 gttgcctcgt tttatggttt ccattttttt ttccccttaa attcaacttt ttagcttttt 180
 ttttgttccc cctaatttct attctttgcc cgtcttttta caactttttg ttttttaaac 240
 ctttggtttt tcccaatttt ttcgctttgc ataatatctc tttttctccc gttgttttaa 300
 tcctttttac tcctttactt tttgcttttc ccaccatttt tccatctcat tttccaaatg 360
 taatccccct tttactttca ctttatccgc ttcttttttg ggggtttttc ccatttttcc 420
 cttt 424

<210> 25294
 <211> 392
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-D10

<400> 25294

cggacgcgtg ggcggacgcg tggggtacag caatgtcccg cacacgaagc tgggtggaggt 60
 gaagggtcac cagaactggg tgaaggtag cgggcagtag ctgacattcc ccggcggcgg 120
 cagcagttc atccatgggt cgctgcacta catcgacttc ctgcagcagt ccgtccgcgc 180
 catctcgtgg gggaagcaca cgcgggtggg gctcgacgtt ggctgcggcg tggccagctt 240
 cggcgggtac ctgttcgagc gcgacgtggc gaccatgtcg ttcgcgcca aggacgagca 300
 cgaggcgcan gtgcagatgg cgctcgagcg cgggatcccg gncatctcgg ccgtcatggg 360

ctccaagcgc ctgcctttcc cgagcaagtc gt

392

<210> 25295

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D11

<400> 25295

ctagcttgct cctcgatcca tcaattgcaa gaggagcaag ataccaccac cgtagcacca 60

cacgcaggta cgaagaaggc gacgaacatg gcgaggctgg ccttggttagc ggcggtgggtt 120

ctgtgcctcc tgttagcgac agggccgcag ggggccatca ggcgcgaggg gatggtgtca 180

tttgacaatt tgatcagctg caaggtactg ggcaactgcg acaagaacct gggccccgag 240

gcctcccgcc cagggaaacc cgccaacgac tacaccgcg gctgcaacct gatcaccggc 300

tgctcgggct gatcatatct ctctggtcga tgtgcgcgca atgtcaatgt cgcacgcgcg 360

tgcagggtacc aggcctcagc gtgtggtgcc gcgtgtgtgt atatattaca caca 414

<210> 25296

<211> 241

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D12

<400> 25296

cccacgcgtc cgcccacgcg tccgcccacg cgtccgccc cgcgtccgcc cacgcgtccg 60

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcgga cgcgtgggcy ccaactgcgct 120

gccctagaac ctctgcgcgc gccctctttt aggattaccg tgtccccgat cgccccctgg 180

cacgcccgcg ccgatcgccc cctggcacgc ccgccccgga tcttgcaccg gaattccgtg 240

t 241

<210> 25297

<211> 462

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-D2

<400> 25297

tttcaaacta atatactctt ctacatcttt ggggtatcct cgattaattg ttcaggtctg 60
at ttgaataa acataatgta atatgtgtgt gtgtgcaaga ataatacaac ttatgataaa 120
gttagcgtgg tgcaacaata agctaaacaa ttatcctaag agtaaacatg tgtattgata 180
ttcctttttt ttacgaatag gttccatggt tttggaattg gaacaagggtc acttgggttc 240
aacatcaggg tacaagttaa gaaagggttca tctgtatcgg taggatttga aattctgcat 300
aagagttcca actagtatca cgtgaggact aaggcataaa tcatcagatt gctcatgcc 360
gtttcttgct tggtaagca tacattccca tgatctgtgc tgagaaagtt ccacaacctt 420
actatgttat ttgtntattt tgaaatcggt cttctttcta ga 462

<210> 25298

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D3

<400> 25298

cccacgcgtc cgctgttttt gatgcggcca tgagatacaa atctgagggc catgctacta 60
taatcctcgc tgggtctgag tatggaagcg gcagttctcg tgattgggct gctaaggggtc 120
cgatgctcct gggagttaaa gctgtaattg ccaagagctt tgagcgtatc cacagaagca 180
acttgggtggg gatgggaatc attcctctgt gcttcaaagc tggtgaggat gctgattcgc 240
ttggcctcac tggacatgag cggtagagca tcgatctccc taccaacctc agtgagatcc 300
gtcccggcca ggatgtgact gttactaccg acaatgggaa atctttcact tgcacgttgc 360
gctttgacac tgaggtggag ctggcggtact tcaaccatgg aggcacctc ccttatgtca 420
tcgcaactt ggcagctgcg cataactgag gcaagggtcaa cacacc 466

<210> 25299

<211> 451

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-D4

<400> 25299

ctcacggctc gtcctcctcg cegtcgtggc gctgctgtcc gccggcctcc tcccgcaggc 60

gctgggtaag ggtaggggag gcaggggaca cggtggcgcc gtcaaccgc aggtcgccgg 120

catctgctct cgcaccccg tcccggaggt gtgcacgtcc accgccgggc ggcacgcgtc 180

caagtaccgc gtcacgcaca acctggccgt gccaacatgc aggtggacgc gttcgccaaag 240

cgcaccgcgc aggcgcgcaa gcacgtcgcg aggtcgggcc gcaccatccc gccgcagcag 300

acgcaggcgc tcacgttctg cgacaccatg tacatgaaca cgcangacac catcggcgcg 360

gcgcagcggg ccatcacgtt caaggacacc ggcaccgnc a gatcatgct gcagctcgcc 420

gtccaggact tcgactcgtg cgaaccgccc t 451

<210> 25300

<211> 209

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D5

<400> 25300

atcgctacga gggatgatcg gcgcgagctc aagatcgacg agacgccggt gtggaagggtg 60

atgacgaggc acccatctt cgtcctctcg gatacgtcg cgtcgaggc gctgcagaag 120

atggttcaag gcaagttcag gcacctgccg ttgggtggata acggcgaggt ggcgaccttg 180

ctggtacatg tgaatgattc ctttgtact 209

<210> 25301

<211> 55

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D7

<400> 25301

ccggcggcaa taatggcctc ggttccggct ccggcgggtg aatatacatt tatat 55

<210> 25302

<211> 105

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D8

<400> 25302

cccacgcgtc cgccacgcg tccgccacg cgtccggtgt ctccggggta tctcggtcgg 60
aaagctgcgg cctattcttt aggattagga ggagccgtat gaagc 105

<210> 25303

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D9

<400> 25303

caaagagtgg aaaacaagca aaatgttaaa tatactagac tttgaattcc cttegattca 60
tccggcgcggtg tgggctatgg acctgcagca gcaagctaata taagtttata tatattgcat 120
gagagagcat gcaccgctaa ccatatatac tactgagact tctgaattct agtatatgta 180
atccttttgt ttgggttttag gaggcaattc taatcatgta tgccgaattc caaagagtgg 240
aaaacaagca aaatgttaaa taaaaaaaaa aaaaaaaaaa taaaaataa ataatatata 300
aattaaataa taaatattaa aaataataat ttatt 335

<210> 25304

<211> 270

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E1

<400> 25304

ctacgctcac ggctcgctct cgtcgccgtc atggctctgc tttccggcgg ctttctcccg 60
catgcgctgg ttaaggtttag gggaggcagg ggacacggtg gcgccgtcaa cccgcaggtc 120
gccgtcatct gctctcgcac ccggttcccg gatgtgtgca cgtccaccgt cgggctgcac 180
gcgttcaagt acccggtcat cgacaacctg gccgtgccaa catgcagggtg gacgctttcg 240
ccaagctcac ctttcaagcg cacaagcacg 270

<210> 25305

<211> 422

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-E10

 <400> 25305

 atctaagcaa ccagttgctg taggaattgt ttttttggtg gtattattat ctctatctat 60
 acgatctaga gaaccatggt caatctaatt gaataagggt tcgtattgac ctaggcaatt 120
 ttccctggga ttagtcattt tgttgaaaga ctctgtacta tactctgtag cgtgggtgatt 180
 tttgctagat ggcatgcttc catttaggaa gaagagatac ttttcatctg ccctcatggt 240
 tacaattacc atgctgtagt tgttctatat aataaaataa gtgtttactc tatcagcgat 300
 ttgggtttaa cagcttggtt cgatccgaga tagggagcat gatagattta aagcgctact 360
 gaaatcatgt tctgggattt gactgtctgg atattggcta taatccaatc agtgaagttg 420
 ta 422

<210> 25306
 <211> 395
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-E11

 <400> 25306

 gttcgagacc ttcaacaccc ccgctatgta cgtcgccatc caggccgtcc tgtctctgta 60
 tgccagtggg cgtaccacag gtatcgtgct cgactcggga gatgggtgtca gccacactgt 120
 ccccatctac gagggatacg cctcccccga cgccatcctt cgtctcgacc tggctggccg 180
 cgacctcacc gactacctca tgaagatcct gactgaacgc ggctactcct tcaccaccac 240
 tgctgagcgg gaaattgtca gggacatgaa ggagaagctc gcctacattg ccctggacta 300
 cgaccaggag atggagactg ccaagaccag ctcttctgtt gagaagagct actagctgcc 360
 tgacggacag gtcacacca ttggtgctga gcgct 395

<210> 25307
 <211> 306
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-E2

<400> 25307

cgtgtaagca cggacagggg ctggcgctct cataagacta gctctcaatc tcagggtcaag 60

atcgggtacta cgaacaagca cctgctgtag cttctggccg ccctttacct acactagttg 120

aacaagaacg cactcgaggg ttagcggatg cttccagtcc atgtctgcgt tgatctacta 180

ctgctgatag tactggtaga tcaaacta ggatttctgc gatcgaatct acacctgtgg 240

atcaagaccg aactggacta ttcgttttac aatcaatggt acagggattt cataatcaaa 300

gtgcat 306

<210> 25308

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-C7

<400> 25308

cgtcgacccc gccgatgaga tcgccgccgg cagcttccgc cggccagct actcccggcc 60

cgtggcggtgt gtggccgcca ccgtcgcgct cgcgtcgctc atgtgctcgg catgcgggtcg 120

caagccgaag gcggccaccc gtgcagaccc ggccgcttcg gaccagtccg ccgggacggg 180

ctcgggctct gtctccggca gcggcggaag ccaggaggct agcgccgagg aggcggagga 240

ggaagtgggtg agactgtcac cggagctggc gacgcacggc gccatcgacc cggtgacgct 300

gtcgtcgctc acatcgaagc ggcgcctgtc catcagcgtg agcaagaagc tgagcatgaa 360

catcccggac aagctgcggc tgagccggcg ggagcacaag gaccaccacc aacagcagca 420

gcaccagcac gacgccccgg gcgncttgca cgcctcg 457

<210> 25309

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B11

<400> 25309

cacaaatctg gagtttgaac acacgacagg tgatatgctt atcttttgtg gatggactgt 60

tcgcttggct tttgctgatt gaattggagc tgcacttgta gtttggtaac gtttatatac 120
 ataactatgc ggattgcgtt agctagaata tgtcttcag tacctgggtg acaatgggct 180
 ctaaatttta gagtgttgta gatttgtttt gttgcaaagc tggcatggca tggcttggct 240
 tgcagcttcg agtactgggc gttcgagatc cttgtgctgt ttgcagggct gatgcccgac 300
 tctcatctca gcacttccat cattgcaatg tgccaaaaca ccgaaaccat atcatacatg 360
 atcacctatg gtttcgccgc tgtcatcagc acaagggtgt ccaacgagct tgga 414

<210> 25310
 <211> 375
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B12

<400> 25310

cggacgcgtg ggcaccgttg cgcgggtagc cgttgggaga gattccagag aggggaagtg 60
 cgccgccgcc atgggcgact ggctgccggc gtcggtagat cctcggcgac tggttggagc 120
 ccctgccaaag ccctcgggga gaggcgtctg tggctcttcg tgttgagaaa gccgaccgga 180
 gctgcacaat tgctcgacgg agtaccaca cgcgcgttga ttctgtgct gccgtgggca 240
 gcgtcgtctg cgccttgacc attgatcggc agtgaggcca cgaggatcta aaaaatcacc 300
 ctggtacctg gagtctcaag tgccaggag gttctcgggt tgattttgct gcgatggcgg 360
 tcagacggga gattc 375

<210> 25311
 <211> 228
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-B2

<400> 25311

cgaggcgtgc ttcacggagc acgacgtggc gttcggcaac cggcccagac tgaccttgca 60
 ggcgttgccc ttctttggcg gcgcgcgct ggccgtgtct agctacgggc cctactggcg 120
 caaccttcgg cgcgtggncg ccgtgcgcct tctcttcacg caccgcgtgg cgtgcatgtg 180
 ccccgtcacg tcgggcgaag tgcgcgccat gctgcgccg gtggggcg 228

<210> 25312
 <211> 452
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B3

<400> 25312

```

cccacgcgtc cgaccacaac ctcttctccc ctgtttcctc tcgtgcgttc tccgcaggag   60
cgaggagggc tcgcggcagc ggcaggggtct ccggtgtttt tgttccagaa tctgtagcaa  120
atggctgacg gcgaggacat ccagccccctt gtttgtgaca atggaactgg catgggtcaag  180
gctgggttttg ctggtgacga tgcgccaaagg gctgttttcc caagcattgt tggacgccca  240
cgtcacactg gcgtgatggg tggcatgggg cagaaggatg cgtatgttgg cgatgaggct  300
cagtccaaga ggggtatcct gactttgaag taccgatcg aacatggcat tgtcaacaac  360
tgggatgata tggagaagat ctggcaccac accttctata acgaactccg tgttgcgctt  420
gaagagcacc ctgtgctgct gaccgaagcc cc                                     452
  
```

<210> 25313
 <211> 348
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B4

<400> 25313

```

gcggaccgtg ggtgagtata tgggtgtaaa catttcatcg tcatgaatca agcctatatg   60
gatactgcat tgaacatgca cttgtacaat acaactgaaa catgctgcaa ggtcaaaata  120
ggcatatact ctgagactca cattaaaacg cgatatcaat atataattat attactatcc  180
ccaatacatg ttttgaccac tttaaacctc aggtccacga aaccctgggt tgtcacactt  240
caacagatcc tataaacccc attatgctca gttcacgtag tatataaaga ccctgaagcg  300
cccgacctta caaaagattg ttaaccacta agacgaaatg gaacacat                                     348
  
```

<210> 25314
 <211> 444
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-001-Q1-K1-B6

<400> 25314

aattaagtgc ttcttattaa ccacggctta accttaatca agcgatcgtg acaagtacct 60
aaaacanaca gcctagggtg gcaggtacat catcatgctc ggggccggca cgtncgtcca 120
gcagctcccg gcgttccagt acgccgtcgc ggccgacgcg tctcgcgca tctcgaacat 180
cccagcggcg tccagggacg cgaacgggtgc catgtcctcg gatactgagg agtacggcgc 240
cgccaagcca gcgggggtgg aggacgcttc ctcttcgcc tgcgcgccc cgaagctgaa 300
cgccggaagc ggcggcggcg gcggaggcgc gaagagagac gccagcgccg ccgtctgatc 360
ggagaatatc ggccccggcg gcggcgccac cagtcggcc gtggaggaaa aggcaaaacc 420
tttgggcgtg gggctcgtc tgcc 444

<210> 25315
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B9

<400> 25315

cccacgcgtc cggagcacca tgcgaggaaa taacatgccg cggcacacgt cgcggttctt 60
ttttgccttg ttggcgctcg cggcgacct gctcagcgtc ggcgacgctg ttgctcgtcga 120
cggcctgcag gtgggggttct atggcaagac gtgcccggcg gccgaaggcg tcatcagcga 180
catcgtcaac aacgaaatcg ctatggaccg gggcatctcc cctggcctca ttgcctctt 240
ctttcacgac tgcttcatca cgggttgcca cgcttcatt ctctggacg agtcgcccgc 300
cggcgacgtc ccagagaagg agtcgtccga caacggcttc accctggtcg gtctcagaac 360
cattgacatt 370

<210> 25316
<211> 467
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-001-Q1-K1-C1

<400> 25316

accgcctggg ccggcgcgcg ctgttcctgc agggcgggcac gcagatgttc gtctcccaga 60
tcgtgggtggg cacgctgacg gcgctccagt tcggcaccgc cggcgtgggc gagatgtccc 120
gctccaacgc ctgggtgctg gtgctcttca tctgctctca cgtcgccggg ttcgctggt 180
cgtggggggcc gctgggctgg ctcgtcccct cggaggtggt cgcgctggag gtccggtcgg 240
cggggcagag catcgccgtg tgcgtcaaca tgctgtcac cttcatcatc ggccaggcct 300
tcctcagcat gctgtgctcg ctcaagtctg ggctcttcta cttcttcgcc ggggtggatgt 360
tcatcatgac caccttcacg gccctcttcc tgccggagac caaggggggtg cccatcgagg 420
agatgaacct cgtctggagc cgnactgggt tctggggcaa gtacgtc 467

<210> 25317

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C10

<400> 25317

cggagtctta cgtgcactcg taccggaacc ataatcgga ttaaagactg ggaggggaagc 60
tcctacgaca tgcgctggac acatacttat atcagactta agactatact tcaacggtaa 120
ttgctactga tattatggga aagatgaaac atactacaca tacaaccaa tgtaacacat 180
tacagaactc agaaacgaac acacatgtgt gtgcttaatc cttcagtcac gttatgaatt 240
tgatgaacta tagcccagca ggctcctctg gccgtggaag tttccaggca atactggagt 300
gggttgctat ttctactcc aaggaaactc atgtacaaag aggcaagaac atacaatgga 360
gaaaagaca 369

<210> 25318

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C11

<400> 25318

cccacgcgtc cgccacgcg tccgggaacc ataatcggt tctaaagact gggaggggaag 60

ctcctccgcc atgcccctgt cctctactca aatccggcgg cggcggacag ggcaaccgcc 120
 actgctgctg ggatccggcg gccagcggca actaccgggg tgcagcgaac ctggagataa 180
 ctccctggag caaggagatg gacggactcg tccaaactgc tcgtaggctg gatgctgcgg 240
 ccacggatcc gccatgcggc ggggtcaacc atgtcgtcga ctocatagcc gaagagcccc 300
 ttgctgagga tcttggtgag cagcaggttg aagtagctga gcaggagctc attgaaggag 360
 aagagcaggt ggttcaagag gagccacaag gcgaggagta tg 402

<210> 25319
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-C12
 <400> 25319

attgatcggc ttctctggag gtgctgtga gcagctcgga ggtcagccgc cgagaagagc 60
 tcataggcaa tggcaaccgc aaggaaggat cctcagcagg ttgataaagt caacctgaaa 120
 cccagcgagt ctggcaaagg ggtagtacgg cgtgcaaggt ctgtcccgac ctctccggat 180
 cgcagatcgt ccccatcccc ggccccagtc tcagacaacg ccagccgacc ggcatcatca 240
 ctcaaacctc gcacgacctc gtcccgggtcc acaacaacat ctagctcggc ggctcttca 300
 agccacggga agacgatgcg ctccgcttcg tcgtccgtgg gtggtgcaag tgcaagcgca 360
 nggcagacaa acgcggcgag aaggagagca gagaagcccc gtgccacatc cttgtggcct 420
 gc 422

<210> 25320
 <211> 467
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-C2
 <400> 25320

acgcggacgc gtgggcggac gcgtggggaa ggccggcatc gtgcccattc cctaccgcag 60
 ggtggcgtgc gcgaagcagg gcggcatccg gtacaccatc accgggaaca agtacttcaa 120

catggtgacg atcaccaatg tgggtggcgc cggcgacatc gcggcgggtgt cgggtgaagg 180
gagcaagcgt gtcaagtgga cggagatgaa gcgcaactgg gggcaagtgt ggcagaccgg 240
ggaggacctc acctgcgagt cgctgacgtt cggggtgatg accagcgacc accggaaggc 300
cacctcatgg cacgttctcc ccgctgactg gaagttcggt gtcacgtacc aggcattcaa 360
gaacttctaa gtagccactt ttcctcctct tcttcaacct gcatatgccc acaagcaacc 420
atgcagatga taacatgcat catgcatgca tattcattct ttcgctc 467

<210> 25321

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C4

<400> 25321

caccggcaaa gccagcgagc atcagtccgg gagcaggagc gccaacgagc tgctcccgcc 60
cagcgccagt ttcgtgaagc tgcggacat gagccctaaa cagtggagcg cattcctcga 120
caagttccag gagctgctcc caggtgccct gagcgcccgg aagcacgctg ccggtgtcgt 180
cggccagcgc tcgatgccga ggctgggcac gtcttgccag ttttgagagt agcagaagag 240
aagcgcttgc tctctgctct gtctttgccg ctgtaccatt ttggaggcgc ttaccatatt 300
atgaactttg aactatgata tgatgttcgc ataaatatca catgttctct gt 352

<210> 25322

<211> 390

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C5

<400> 25322

agacctctg tgccggcacg cgctgacact gcatgtcggc atgcagatgt tagtctacca 60
catcgtgggc ggcacgctga tggcgcgcca gctctggacc tccggcgtgg gctagatgtc 120
gcatccaac gcctgggtgc tggcgtctg catctgcta tacttcgctt ggtagcctg 180
gtcgtggagg ccgctgggct ggctcatccc ttcggagggt ttggtgctgt aggttcggtc 240
ggcggggcag agcatgcgcc tgtgcgtcaa caggctgctg accttcatga tcggccatgc 300

cttactcagc atgctgggct cgctcaagtt cggctcttc tacgtcttac ccgggtggat 360
gttcattatg accaccttca atcgccatth 390

<210> 25323
<211> 384
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C6

<400> 25323

gctgacgaca ccaccgtgtg gtcgacaaaa taaaaggag agagagatgg ccctgttggg 60
tcgccctatg gccgccgcac cattcttcgt cgctgctcctt ctgctactcg tggcggcaga 120
aaggacgatg ggcaggggtg tgggtgaaga gacgctctgg ctgtcgcaaa gccatgcctt 180
caaaggcgtg tgcctcagca acaccaactg tgacaacgta tgcaagacgg agaagttcac 240
aggcgggtgag tgcaagatgg acggcgctcat gcgcaagtgc tactgcaaga aggtctgcta 300
gggcatgacc ggcaacaagc cctaaccgta cggctgggtg atccggttgc aactgcaca 360
gctcggttgg gcacgcggtc atgt 384

<210> 25324
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B10

<400> 25324

cccacgcgtg cgcccacgag tgcgcggagc cgtgggggtct cacagagggt cgcaagaatg 60
gaacctgcct ctgggtcagg cccgatggga agaccaggt gacagtatag taccgcaact 120
agggtggcac catgggtccc atacgagtgc acacagtcct aatctgtact cagcacgacg 180
agacagacac caacgacgag attgctgctg acctgacgga gcacgtcatc aagccagtca 240
tccagaagca gtacctcgac gagcagacat tctaccacct caacatgtct ggccgctacg 300
ttatagtcgg acctaacggc tacccc 326

<210> 25325
<211> 269
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A10

<400> 25325

cggacgcgtg ggcggacgcg tgggcgacg cgtgggcgga cgcgtaggaa attaaagtat 60

gccaggttct cgaaaaggat gtcagtgtat tatgggtcta tttggtagga tggctagaaa 120

cccaggctgg aaacgccctg gctagaggaa gcaccggagg tttgtttgat tgtagctggc 180

taaagggtgac gcacaactct aactgctatt tggttttcct ggctataaag tctggccaaa 240

ggtggtgcac aattctaaca attgtttgg 269

<210> 25326

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A11

<400> 25326

ggcatcgcc agtgggggct ctgaggcca gggaggcgag gaaagcggcg ggtgccgggc 60

cgcccgcgcc ggtgccgagc cgcccgcgcc ggtgccgagg ccctcaccag tcaccacccc 120

ctccccctctt ccgtctgtcc cccgcttgcc gccaccgcgc ctgcccgctc gcgatccttc 180

ccctttttaa cgctcccgcg gcccgcgctc gtgctccctt ttgtcgccgc tgccttcgtg 240

cccgactcgc cgggtttctc tcgctcctca atctccgcgc ctgggcggcg cgttcgccgc 300

cggatctggg cgccggacgg tgccccggac ggtcgatggc gcgggcggcg ctccggttgg 360

gcgaccgcgc gc 372

<210> 25327

<211> 417

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-A12

<400> 25327

cccacgcgtc cgccggacgc tgggtgtagc cgttgagact tgggaggcag gcgacatggg 60

tggcgggaag gacgacggcc acgatccctc gaaggcggac aagggtattcc acggaggagg 120

gtacccggcc gccgccggtg gatactacgg cggccagtac cccggcggcg gctaccctgc 180
tccaccgggc ggcggtgcgt accctcccgg ccctgggtac ccggtaccac ctggtgggta 240
ccgcctccg ggtggctacc ctgagcctgg cggatacccg ccgtcgcacg gggcgtagcc 300
ggcgccgggt gcaggcgcgt atcctcccag cgggtaccn catcaaccg tctaccaca 360
gcctggctat ccatcgatgc ccggtcatgg tggcatgtac ggaggaggcc acggtgc 417

<210> 25328

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A2

<400> 25328

cccacgcgtc cgcctgcagt catctcctcc atcaccacca aactcaacaa cagccagctc 60
gcgaaaataa tgaagagccg cagcatggca tcatcggccg cgctcttggg gctagccctc 120
gcgctagtgg cggccaccgc cccacaggta gcggaggcaa agaagaagag agcggcggag 180
agcggcggag cggcggaggc gaagaagatc caggacgact tctgctcgac gctgtgcgag 240
ggcaagaagg ggacggacct ggtcgtgtgc aaggagtcct gcgcgctctc ccagcagtc 300
aacctggtgc tgtacggcag gatccagtgc aagggcaagt gcaccgagca gaagggcatc 360
acggcgccgg ccatgaaggc ctgccaggag gagtgcgaca aggcgtacgt ggt 413

<210> 25329

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A3

<400> 25329

caggaagaaa aattgttcca agatatatcc actgtactat ctgaactttc tcaactacat 60
gatggtttga gctatcctct tgatgttgaa gctggaacaa atgatatttc aagtaatgag 120
attgattggg ctagaaagcg taatgaactt ttgacaaagc ttcaaggatt atgcaaactc 180
atccgggtca cgttgtaaaa tcatgttcat agagaagaac ttgagttgtg gccattgttc 240
gataaacatt tttctgtaga cgagcaggat aagattatcg gtcataataat tggaactact 300

ggtgctgagg ttctgcagtc aatgttacct tgggttacat cagcacttag tttagaggaa 360
cagaacatga tgctggatac atggaagcaa gcaacaaaaa acaccatggt tgatgaatgg 420
ctaaatgaat ggtggaag 438

<210> 25330
<211> 449
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-001-Q1-K1-A4
<400> 25330

cggacgcgtg ggcggacgcg tgggccattt ttccctggt cgcccacttc cctggtgctc 60
gcccttgcac ttccctggcc gacgcccctc catggctgag ctcacccctg cagggtgccc 120
ctcccatggc gcctagtcct cttcccatgt cgagctcgcc caaccaatcg tctccatcgc 180
agggtgctgtg ttccccttcc ctttccctcaa gtttggtcct cggcgcccaa gcttctatgt 240
ccctacagca cgcacgacgt tgcccctacc cccatggctg gccgacctcg tcagtgaacc 300
cctggcgcta ccctgcagct cgccctcaag cctagggctc cgtgttttc ctttgcccca 360
cgcggtatgt gtagccgggc tatgtctctc cctgtcgtag caccgccgaa atgttntgtc 420
gtcgccggtt tgctgtggaa gaggaaagt 449

<210> 25331
<211> 363
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-001-Q1-K1-A5
<400> 25331

caggaagaaa aattgttcca agatatatcc actgtactat ctgaactttc tcaactacat 60
gatgagttga gctatcctct ggatgttgaa gctggaacaa atgatatttc aagtaatgag 120
attgattggg ctgaaaagcg taatgaactt ttgacaaagc ttcaaggatt atgcaaactc 180
atccggatca cgttgtcaaa tcatgttcat agagaataac tagagttgtg gccattgttc 240
gataaacatt tttctgtaga cgagcatgat atagattatc tgtcatataa tttgaactac 300

tgttgcttag gttttcatTT catgataccc ttgtttacat cagaacttat ttaaaagtta 360
cat 363

<210> 25332
<211> 160
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A6

<400> 25332

gagggtataa aatttcttct ccaaatacca accaaattca ggggttacct cttgtctctc 60
tctctctctc tcttttcctt ttgattaaaa gtaagtgaat taggcgaggg tttaattatt 120
tattttgtca aaacttatgt gagtcatgaa atgttgcatc 160

<210> 25333
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A8

<400> 25333

cccacgcgtc cggctggcca cgccgcgggg cagaagcagc agggcagcca cagccctgac 60
gccttgctgc gaccttgga cctcttttgg cgccaacaat aggaggagga gcggagccac 120
attccccgcg ccgccgctcc tgtcccggat gctgtcacc accacgcggc cggcagctcg 180
gactgacgag agatctggca ccagcccgga gaagcccctg ttgcgcgggt ggggtactacg 240
ggcgccgctc ggaggatcta cgtggttagg gttgcagtcc ccaagtgcga tgagatctag 300
aacgccatct ccgacggtga ggctgagcta gcgccgtgc cgggtgttcgt gtttatggat 360
tttgtggatt tgaggatgct cgtagacctt gtgcaccggg tccggaacga tgtcgggtggg 420
aggtgaagca gagatgaagg agctgcccga ggag 454

<210> 25334
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A9

<400> 25334

ctaattgtgca ttgcgcccat gtatacacia ataacgttta ccaaaaatct tgattacaga 60
tgtgttcctg gtgagtatac cgtacgggtt tgcttaggaa atggatgtgt tcctaattggg 120
tctgtcgtac gggtttaccg tgggtccattg aataatagta tctcacagca aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg 300
ggggcccttt taaagggtcc aagttttttt tcccgggggt tcaaccctta aaccttttta 360
tagggggccc taaaatta 378

<210> 25335

<211> 256

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E6

<400> 25335

cggacgcgtg ggtcttcatt agcgcgaaca aagttttgtg ccggtctatc ggccggggct 60
gtcctccctt attcatcaag actgcaataa ctgtcgctac ctatgcttct cacctgtgat 120
ttttggacac aatatgttaa ggtccattca attctaataa gacgcctgat gaggctacta 180
gcaaacaaca ccatgtgttc ggattgtcat tggttattga tgtcttgtga atgaataata 240
taaatttttt ttggctc 256

<210> 25336

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E7

<400> 25336

gccaccacgg cgaccgaggc ggccaaggct gcaccggcgc aggagcagca ggccaacggc 60
gacggcaacg gcgagcagaa gacgcgccac tccgaggtcg gccacaagag cctgctcaag 120
agcgacgacc tgtaccagta catcctggac acgagcgtgt acccgcgga gccggagagc 180
atgaaggagc tgcgcgagat caccgccaag caccatgga acctgatgac cacctccgcc 240

gacgagggcc agttcctcaa catgctcatc aagctcatcg gcgccaagaa gaccatggag 300
atcggcgtct acaccggcta ctgcctcctc gccaccgcgc tcgcaactccc ggaggacggc 360
acgatcttgg ccatggacat caaccgcgag aactacgagc taggccttcc ctgcatcaac 420
aaggccggcg tgggccacaa gatcgacttc cgcg 454

<210> 25337

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E8

<400> 25337

ggatcccccc acaccttgag acctgcgttg tcaccacccc atcaaggttg gggccgggag 60
gagagttagc ccgttcctgt tcctgataaa acgagagaag gatggcagtg tctcagggag 120
ctgtcctatt cttgtttctc ctctcgtcg cagcataggt gggaaccatc gatgccaaaa 180
tgggagtagc catgcccatt catgccttga taatggagaa agcgaaacag caggagaagg 240
agaagaagga ggagaaaagc acggagaagg aagagagtca atgcttatcg ccgagtctcc 300
agttcgaggg cttctgcttc aacagcgaca gatgcgccga ggtgtgcatg aaggagagct 360
ttcccggtag cgagtgcagg cgggacgtgg ccatgcgcaa gtgcttctgc aagaagcctt 420
gctagttagc cggctctgct aattgttgat gggtagcttca tt 462

<210> 25338

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E9

<400> 25338

acgcaaagtg ctttatcctg tggagctcag catgctatct atgatctgtc atgcaactga 60
acgggtgtga gctaattgat gacaaacatt gatgctagca tgaccaagat ttacatggta 120
ctcctactgg tacttcaaag cagaactgtt ctactggatt aaaacatata ttaggcaaatt 180
attgaggaac tacaatattc cttgatggat ggaatgataa ctccaacttc tgagattgat 240
ctagaattca taatcttggc atactacaac cattatgagt ctaagtcagc gactctagaa 300

tttataatgg atagaccttg catgataat

329

<210> 25339
<211> 396
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-F10

<400> 25339

agcacctnct cttcccccg cgggcaacaa ctcaaccggc gcaaccggca catcaggcat 60
gggcgcctgc gcaaccaagc ccaagacgct tgaagggcaa gcccagctg aggcgcgct 120
ctccacaccc aaggttgcgc ccgaggccac tccaatctcc gttgaggttg cggctgatga 180
acaggtagct gagaaggtgg tgggtggagga gccggctgcg gcggccgacg ttgagcatca 240
gaaggctaata gaggtgctcg ctccagaggc ggccgtcgcc gagcccgacc acaaagagga 300
ggaaaccctg gagaagaccg tcgtctagga ggagaagcca gcggcagcag cccctatgca 360
gaggaaaggg tcgccaccgn cgacgagacc acgacg 396

<210> 25340
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-F11

<400> 25340

cccacgcgtc cgcccacgcg tccgaccagc gcagcagttt cagggcgtgg tgaagggcag 60
ggaagctcaa gcaagcatac aaggtgcgta gagaggatgg ttcgaccagt cagtggatag 120
gccagagct tgtccaacct gaatacagtg cacagaaatt ttaagctaac acagttgtgc 180
aggaacagtg agaaaacaac acttgcagca aagcgaagag gcacctacct ttcctggtcc 240
cgtaagtagg atcggtttct cggtttgttg accccggcgc cgctgaatag tttcaagacc 300
tgaaagaatt tcaagaaatt gatcaaagtc tggattgaaa tacgttatgc tagcttacca 360
ttgacaaggc aaagagacag ttgaactacg gaaa 394

<210> 25341
<211> 450

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-F3
 <400> 25341

cggacgcgtg ggatctgttc cggccgcaa acaaaaccaa aaaaaaaca cactgaaccc 60
 agnggggcga tcccacagaa actgttctct cggtcctgttc gatcgatcgc tgccgtgtcg 120
 tttgccagac accatcagca cccaaaacca tggcctgcaa cctggctcag tgcgccaccg 180
 ccgccgcggc gaccgtcgcg ccccgacccc ctgcacctgc tgcgtccgcg tccgtctcct 240
 tctccgcgag gaagccggcg ggcggcagcc tgcggctgca gcggcaggcg tgctgcgagc 300
 cgtcggtggc gccgtcgcgg gcggtgttcg cctgccgggc cgcggcgtct gtgagcgcgg 360
 acgacctggc cttcgggggc aagaggtcgt ccggcgtgcc ggtgttcgtc atgatgccgc 420
 tggacaccgt caaggagtgc ggcaccgcgc 450

<210> 25342
 <211> 313
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-053-Q1-K1-F4
 <400> 25342

cgtggatgcc cgcgccacag cctcttctgc tgctgcttct tgctgccgtg ctaacggtgt 60
 ggccgtatgt ctccaacggc gggcacgcca agcccctgac gcctgtcggc cgcgtggtac 120
 accacaacca ctgcaagttc acggtcgggc cgtggaaacc cgtccacgcg accttctacg 180
 gcgggcggta ctggtcctgc accacggcgg gcgctgctg gtacaaggac acgcgcgcgc 240
 atgggtatgg cgtgcagacg gtggccgtga gcacggtgct ttcggtgac tgctcggact 300
 gctgcgggtg cta 313

<210> 25343
 <211> 442
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-053-Q1-K1-F5

<400> 25343

caagcacaga gacaccaagc gttgaactcg cctaagcagc tatcaaccaa ccctagggag 60

ggggacaccg tacccatggc tcgcgctagc gtcgtctttg tcattgccgc tctcctcttc 120

gtcgccatgg tcgtagcacc gatggccgag gcaaagtccg ccgatgcccc tgtggctgac 180

gcgccagccg atggacctag cgggccggct gctgcacctg gccccaggg tgcgaaggc 240

ctgtcaggca atgaggatga cgatgatgac tccaccaatt gaggccacac acgttggccc 300

ggttaaatTTT ggaacaagac atggaagaaa aatgagagca atgtctttaa aaccatgata 360

atgtgtggtc atccactcat acatggatac atccttgctc tccctctttt tctttctggt 420

tgattttcaa tgtgttatca tg 442

<210> 25344

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-F6

<400> 25344

cggacgcgtg ggcggacgcg tgggtgcatt ctttgcgatc tcctttttcc cccctcatca 60

gatatgtgta cagtggcctg ttgaatgctt catagaagca tataggctga tgtctttttc 120

atcactgtgc aacttgccac caatattcca tctctgtcga gtccaacaca tatagaattg 180

tactgtcttt tttcaaagag gtgcagagat catgcacacc aaagcagcag cagcatccta 240

ttgaagacca ggattttgaa gaatctataa ctaatcaaga agcagaccat tatgattggt 300

ggtacgagag caggagatca ggtggcacga caaaaagtat gctgagagcg caaatgtatt 360

gttaagtaac caggtgacat tgtgctgcat aacaaatgaa tgaagtcaaa tgaactgaat 420

aatttgtaaa aa 432

<210> 25345

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-F9

<400> 25345

cgtgctctaa cagtggatgt ggcatctgag aacattcgaa cttggacact ccaggggttt 60
 gatcagggga gaagcagcgg acgcagcgca gctacgattt caccggagtc acgtcgtggt 120
 ttgcggccaa gtgcgacctc atccttctcc tgtttgatcc gcataagctg gacatcagcg 180
 atgagttcaa gcgtgtgata gggctctctcc gcgggcatga tgacaagata cgcatagtct 240
 tcaacaaggc cgaccaagtt gatgcacagc agctgatgag agtgtacgga gcactgctgt 300
 ggctcgctcg gaaagtcctg aacacaccag aagtcatgag tgtctacata gggtcattca 360
 acgacaagcc gatcagggag acagcggctg ggcc 394

<210> 25346
 <211> 456
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-053-Q1-K1-G1
 <400> 25346

cacagcgagc agaaaagtga gccttaccaa atgtttgagc atgagaccaa cggcaacagt 60
 tggaagtcct cccaaaattc ttcatacgaag aacaattcca gttcttgga cgactgggac 120
 gacccaggca agaaagatga gcctgcgaaa ccgcaccaga gcagtgactc ctgggctggc 180
 tgggatgatg ggaaggatga tggttttgat agccctagtt acaacaatca cagcacctcc 240
 aacaagggga gcaacaaaaa cgggacatcc ggtggcacat tttggacaga aggcggcttc 300
 cgctgaaacc agtctctttt ccatagagct atactttcag agttgttaca tgccaggaaa 360
 cgtgaggggc cagtgggttg tattatttgg gataacttaa cagtctggtg aaagggattg 420
 tgtgttttgt accatgtcta caacctgtat tatatc 456

<210> 25347
 <211> 389
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-053-Q1-K1-G10
 <400> 25347

cccacgcgtc cgctgcgctt catgatctct acgagctcca gggcctgtcc ccgtgggtacg 60
 agaacctatg ccgcctgtc acagacttgc tgcccattat cgccagcggc gtccgtggag 120

tcaccagcaa cccaacgatt ttccaaaagg ccatttcacg gtccagcgca tatgatgatc 180
 agttcaagca gctcatttcg gcaggaaagg atgcggagag cgcttactgg gaactcgta 240
 taaaggatat ccaagatgcg tgcaaacttt ttgagcccat ctacgacgag actgatgggg 300
 ctgatgggta tgtctccgta gaggtgtctc ctaggttggc aaatgacact caaggaactg 360
 ttgaagcggc aaagtgggta cacaaagtg 389

<210> 25348

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G11

<400> 25348

cccacgcgtc cgggtcaagtc cctgtgctgcg cccaccctat acaaggagtc gtgcgagaag 60
 agactgtccc aggccaccaa tggcacccgag aacccaagg aggtgttcca cagcgtggcc 120
 aaggtggcgc tggagtcggg ccagacggcg gtcgagcagt ccaagtcgat cggcgaggcc 180
 aaggccagcg actccatgac cgagagcgcg cgcgaggact gcaagaagct cctggaggac 240
 gccgccgacg acctgagggg catgctcgag atggccggcg gcgacatcaa ggtgctgttc 300
 agccgggtccg acgacctga gacctggctc acgggcgtca tgacgttcat ggacacctgc 360
 gtcgacggct tcgtcgacga gaagct 386

<210> 25349

<211> 337

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G12

<400> 25349

ggcagagctt cagcgacgga cgaggaggac gtgccggtgc agcagcggtt catctggtca 60
 gggaagagaa agatgcggcg cctttttcac gactccatct ctcttctgga ttactctcag 120
 tgctgcagcg taaactcgca attccctcct gtaaaagctg gagcttttct gagcgtgtac 180
 gtgcgttggt ggaacttggg cccccacca agatctcacc tatctgcact gggctggcca 240
 gctgggccccg tcgccaacca ccgtgctttt gcgtcgccgc ataaccttgg ctaagcgtga 300

actttgtcac aacaaccacg tttggcgttt ccatgct 337

<210> 25350

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E5

<400> 25350

cccacgcgtc cgaacgacga cacacgacca tgcattgcatg agttgggtac aaagaaggga 60

ggagcagcta gctgggtactg gagatggata tggatgcatg gggagaacta cgtacgtgcg 120

tacgtggaaa gaacaaatta aagtagtcat tttactcgcg cagagagaga aaagctttgt 180

gagatggatc gtcaccagct agcttgcgtc gtcgtcgacg gcgatgataa gcaaataaca 240

ttttacacgc agacagcagt agtaacagca aatcgcgacc caccctccgc cgcgaccgcc 300

atcgcgcca cggtacagcg tacagtcgtc ctggtcgccc tcgcgcgccc acctcatcaa 360

gatcaggctt tggccatgtc cttgccgccc tcaactcctt cgccaacccc agaccacccc 420

agagaggcta gagcgaggcc gcaggcggcg gctgtggat 459

<210> 25351

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D2

<400> 25351

ccgcccgtcc cgctgctc gccgcaagcg cacgcgctcg gctcgccgcg tcgggtcgcc 60

ggagggcgaa cgaaacccta ggatcaggga ggctccgggc atcgctgctc gaccccatg 120

acgtcctgcg ggtgctgat gctcgagaag gtggagggcg acgcgtcggc gaagacgagg 180

gtgaaggccg cgccgggccc cggtgccggc gcctgggtgcg gctcgtgccc tggggactgg 240

cggggcccgt cagaggccat cttccccatc tacgtgatgg ggagctcgcg ggagagcacc 300

gtggcgggcg cgcgggcat agtcgactcc cccgaggacc ccatatgggt tgccgtcaag 360

gcggaggcca agtctgaggc agaaaaggaa cctatcttga gtagcttctt gtatgccagt 420

gtgctgtctc atgactgcct agagcgtgca ttgagcttcg 460

<210> 25352
 <211> 441
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-D3

<400> 25352

```

ccccacgcgtc cgccccacgcg tccgatcgag aggagaacca gcagcctcca ataagagcca   60
ggcagagaaa ctaataaaac tctcgccgcc gccatccgag cgaacaagcc aaccgacccc  120
gtccccaagg caatccgcgc cgcacgtacc accaccaccg caggagcgag atggagatga  180
agaggatcct cttegccgtc ctcgctcgta tcgcccctc ggccaccgca gtgctggcct  240
ccaccgaggc cgccgcgcgc ggcgccccaa ctgcctccga gtcgtccgcc gaggtccccg  300
ctggcgctgg cgctggcgct gccgctggcg ccgncgctc ggggccctcc gccagcagcg  360
gcgcgcccgc cctcgccgcc gcgcccgcgc cgctcctctt ctccctctc gcctactacc  420
tccactaagc gtgtgcgtgc g                                     441
  
```

<210> 25353
 <211> 454
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-D4

<400> 25353

```

ccccacgcgtc cgccccacgcg tccgcttgaa gttcttgaa gtgcaggtat gacagactgt   60
ggagggatgt tctactctg tcgacatgaa tggcaagctt tctggtactg aggggccacc  120
agttgatgat ccgactcact atcgaggtct tgctggcgca ctgcaatata tcactttcac  180
tcggcctgac atttctctat ctgttcagca agtttgtcta cacatgcatg atcctcgga  240
accacattat acgttgatca aacgtattct tcgctatctg catgggacat tggatcatgg  300
cttacatctt cgccccacag atgtttctgc tttggttgcc tactctgatg ctgattgngc  360
cgttgctcct gacaccgcgc gttcgacctc tgggtatgct gtttttcttg gtgataacct  420
catctcttgg tcatccaagc atcaacctac tatt                                     454
  
```

<210> 25354
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-D5

 <400> 25354

 gacaccgtta caccaaacac aggtctacga gatgctgtcc cttcacaagt ctaaaacgtg 60
 ggataaccta aagagatatg aaacccaaac cactgaccac agcgctcctgt taacactctg 120
 ctatggaact ttctctcata ctctgcacg gatcttcatt cctcaaaacc tagcacctga 180
 gcttcatgat tccattacag aatacatccc accactactg actgataatc cactacaaag 240
 agctcgtaat cccaatcta ctgctcaact acgccccaaa catcatctag gaattgctcc 300
 ataccgactg gatctggcgg catatgacac tataccaagt cgcacgcacc catgacactt 360
 ctttttcgct gtcctatata caactgcttc ttcgagtacg cacctacaca at 412

<210> 25355
 <211> 463
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-D7

 <400> 25355

 cgacttcggt ccgctcaccg agcgccgccg cgccgaaaag gcgcggcagc agcgcaggcg 60
 gatcatgata gccgcggga ctatctccat catcatcata ctcatcgcca tgggcagcgc 120
 cgcggtcatg tacagcggga agaagtcgtc cagcgacggt ggccacaagt ctgcttccaa 180
 aggcaagtcg agcggcgggt cagactcgga ctcgggagcg gaagcggaag cggaatcgga 240
 agcggaatcg gaatcggggt cggaatcgaa gacgaatctg aaggccgtgt ccaagagcat 300
 caaggcgatg tgctcgcaga cggactacac ggacgcgtgc gagaagagcc ttggcaaggc 360
 cgcaacgcc agctcgctgt cgccaagga catcatccgc agcgccgtcg agtgatcgg 420
 cgacgcgata ggccaggcgt tcgaccgcgc cgatctgata ctg 463

<210> 25356
 <211> 463
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D8

<400> 25356

agaaggttat gctagacctt tagttgatcg aatagatggt cacaatagat tcagacggcg 60
gctctatcgc ccatcaactg ttaccacgga atacagagaa catgtgaaag atctttcttg 120
cgtgtcaaaa gatttcggca ggattgtcat tgtcgacaac aatccgttca gtttcattct 180
tcagcctttg aatggaatac cttgtgttcc attttcagct ggacaacatt ctgatgacca 240
gctcatgatg gttatatttc cactcctgaa gcactcttct ctccagaaag atgtcagacc 300
tgtattgcat gaaagggttc atatgccaga atggttccaa aagcatggga tccccaaac 360
taatcagtct gtgtaagttt tgctgccctt gttttgatga acgctgtgcc tattatgcta 420
taagcccctt aaggagagac acttgtatat tattatcaat att 463

<210> 25357

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D9

<400> 25357

ccacctccag aggtgaagtc tactgcacca ccagctccag ttagctcgcc tccacgtcca 60
gggaagtcgc cacctccacc cggccctgtg agctcacctg ctccccctgt gaagactcca 120
ccaccaccgg caccggtcag ctccaccacca cctccagtga agtcaccgcc acctccagca 180
ccggtcagct caccaccacc tccagtgaag tcaccgacac ctccagcacc agcgagctca 240
ccaccacctc cagtgaagtc tcctccgaca ccagcaccag ttagctaccc accaccccca 300
ataaaatctc ctctccacc ggcaccagtt agctctctc caccagcacc agtgaagcca 360
ccatcactac caccaccggc cccagtaagc tcacctcctt 400

<210> 25358

<211> 328

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E1

<400> 25358

cgagcgctg ggcggacgcg tgggcgtact ctcaagtctc caccgaaaat acaaaccagc 60

ggaggggtata ttccggtggag acttgagagt acgtgagaaa gagagaggtt acgaagagtg 120

attatatata taatccgctg gtttgtattt tctttcttct ttggatcatc aaaaaaccaa 180

ccgatgtaat tattattaga ccgacgcctc acaatcttgg aacttattca ttatgctagt 240

gtatatctgt aatcccattc cataatgtta atgttgattt gtggtcacgt ttcaatgaga 300

aaaaaataat tgccagtgcg aaaataat 328

<210> 25359

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E10

<400> 25359

aggcgctcgct atcgagattg cggaagccgt ggttgggtgcg ctgagagggg agctggcagc 60

ggccgctgtg aatgcgcca tggtcccagc tgagatcctg tcagagctgg ctccatatgt 120

ttctctggcc gagaagctcg ggaggctggc ggtgcagctc gtggccggcg agagcggcat 180

caagggcgctg aaggtggtgt acaccacagc gcgtggcccc gacgacctgg aactcggct 240

cctccgcgcg atggtgacca agggcctggt ggagccggtg tccagcacgt tcgtgaacct 300

ggtgaacgcg gactacacgg ccaagcagcg cggcctcgcg ctacagggagg agcgcggtggc 360

gcacgacagc cccgcgggcg aggcgccc 389

<210> 25360

<211> 376

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-E11

<400> 25360

cctctctccc ttcgtcacca tcacatccag ccagccaaca aaaatgtcgc gcgtcacagc 60

tgcggtgctc ttctacatcc tcgcggttgc tgccctcagc gcgggccgagg ccccggcaga 120

gtcaccgaag gaaggcagtg ctgccaaggc acctgagtct gccaaagaaa ctgctgcccc 180

cgctgaagca cccgaagccg catccacccc cgctgccgcc gctgccccat cgccgtcgtc 240
taggaagtct ggtccagcta ccgcgccagc caccgcctct acaccccctt cttccacgga 300
cgaggagttg agcccttccc cgccagcatc caccgccgcg gcgtcccctg cggctgangg 360
accggctgct gatgac 376

<210> 25361
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E12

<400> 25361

cagagaacgg actaggtgcg tgctctgcgc tgacaagagc agcggcaggc aggtcgtcgg 60
tgcgcccttg gtggtgaata attgaagaag aagaagaggc ggagacttga gcaggtgatg 120
tcttcgctgc caggaggctt cctgtgcgtg cgcgtcctgc gcgggatcga cctcgtcagc 180
tgcgacgcca agggcagcga cccctacgtc gtgctcagcc tggatggaca gaaactgaag 240
acgagcgtga tgaagaagac ggtgaacccg ttgtggaacg aggacctcac cttggccgtc 300
atggacgcgt cggcgccccat caagctagag gtcttcgaca aggacacgtt cagcaaggac 360
gacatgatgg gggacgcgga gttcgacgtg ga 392

<210> 25362
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E2

<400> 25362

gaaggagcag cacttcgtgc ttgttcatgg cgaagggcat ggggcctggt gctggttcaa 60
ggtgggctgg ctctcgagg gcgctggcca ccgtgtcacg tgcgttgacc tggccggagg 120
cggcgtcgat cctaccgacc ccaacaccat ccggtccttc aagcagtacg acaagccgct 180
catagacctc atctccaact tgccagacgg agagaaggcg attctgatcg gacatggcgc 240
tggagggctg agtgtgatcc atgcaatgca tgaatttggt gacaggatcg gtcaagcatt 300
tttcgtggcc gccacaatgc tgccgtttgg atttcaagcc gatgaagata agaacgatgt 360

aatgtttttg aagaatttgt ttgccatctt tttaaaccac atagaccctt ctagcaaatg 420
ataaaaaaat atagagtaca catcaaaca acat 454

<210> 25363
<211> 465
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E3

<400> 25363

ccgaattccc aggcaggcac gtcggcgagg ttggcaggaa gaccgaagac cgagccgtgc 60
ggtgggtcgg gacgggaacg ggacaggacc caaaatctc agatccttcc tgcccgcccg 120
cccgtgcccc tcgacgcgtc gttcttgccg gccgcgcccc acctacgcc tctcctcctc 180
cagggggatc ggatacgcca caggctgcgc gatggtgctg tgggtcttcg gctacggctc 240
cctcatctgg aaccccggtc tcgacttcga cgacaaaatc ctcgggttca tcaagggcta 300
caagcgcacc tttaatctcg cttgcattga ccacagaggc acaccggagc atccggcgag 360
gacctgcacg cttgaaaccg acgacgaggc catatgctgg ggaattgcat attgtgtcaa 420
gggtggtcca gaataagagc taatagcaat acagtacttg gagag 465

<210> 25364
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E4

<400> 25364

cccacgcgtc cgtttttttt ttcaacaata ataagcctaa ttatcatctc tattttcttt 60
ggacagaaaag atatctatct actcacccat tgtaaaaaca cgtggaccaa taaaggactt 120
tggggatggg gcggagtata tcacgggaga aatgccttgc cgcagcatcc atatcactct 180
ataatctact actcagatcc gtgttaatgc ccacctgtg aagctggcga catattgaat 240
tccagtaatt gcgatcttag taccaaaagg taccacgtg attaaccac tgcacaaaat 300
tccgaggtaa cttctgatac tgcatttcag caagatgggt ttccatgata tcaggagtta 360
tgccactaat gacattctca tttgataggt ttgcatctgg cgtgctagtt gcaatagacc 420

tttcatcact tgagttgcct gaagtggaaa g

451

<210> 25365

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D11

<400> 25365

ctagaactag tctatcacc tgcaggtgga gtcgtctgac accattgaca acgtcaagga 60
gggcatccca cgggaccagc agcgccctcat cttcgccggc aagcagctgg aggatggccg 120
caccctggcg gactacaaca tccagaagga gagcaccctc cacctggtgc tccgcctcag 180
gggtggcatg cagatTTTTg tgaagacatt gactggcaag accatcacct tggaggtgga 240
gagctctgac accattgaca atgtgaaggc caagatccag gacaaggagg gcattccccc 300
agaccagcag cgtctgatct ttgctggcaa gcagctggag gatggtcgca ccctcgcgga 360
ctacaacatc cagaaggaga gtacccttca ccttgTTTT 399

<210> 25366

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B7

<400> 25366

gctcagccag ctccaccacg agaacctcgt cgacatcatt ggctactgcg ctgacggaga 60
gcagcggctg ctggtgtacg agtccgtgcc cgccggcacc ttagaagacc acctgttcga 120
tctgccggcg gacaagaagc cgatggactg gtgcacgagg atgaaggtgg cgcacggcgc 180
cgcgcagggg ctggagtacc tgcacgagac agcgaacctg ccggtggtgt acggggaatt 240
caaggcctcc cacatacttc tcgacgagaa gctcacgccc aagctctccg acttcgggct 300
cgcgcagctc ggtcaggccg ggggcagcat gccggtggtg gcgtcgccca tgatgggctc 360
cttcggctgc tgcgcgccg agtacgatcg caccgggcag gccaccatga agtccgacgc 420
gtacagcttc ggtgtggtgc tgggtgcagct 450

<210> 25367
 <211> 465
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-B8

 <400> 25367

 caccgttcca atcctctccg tcgtcgcgat ggcggcctcc tgccgcgcgc gccgtcgcga 60
 cggcaccgca gagctagcta ccgacgaaga caaggcgggc aatggccaag gcgcccctgc 120
 cgcttccgtc gctgctcgtc ctgcgcgcct tcttcttcca ccacccctgc tgcacggcgc 180
 agggccgcgc cgaaaacatc tcggaggctc aggccgcggt ccgcgcgcgc gcgtccgagc 240
 tgctccgcga cgccaccagc cagctcgtcg acctgcccct cccggccaac ctctccggcg 300
 cgggcgtccg ggcctcggcc ctccagcgtc gcagcaacgc gctctgggccc ggccggcgtca 360
 acaccaccgg cttcaccgtc ccgccgcgcg tcgtgccggc cccgttcgcg cgcgcgctcg 420
 ccatcgtctt cgagctcttc gtgggaaact cgacngccgc gttcg 465

<210> 25368
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-B9

 <400> 25368

 gcgaaggacc ccacccgagg cgccacctgc ggtcgtgagg gtggagatcg gggatgagggc 60
 ggcggcgctg cgcgaggcat tggcgcgga gcaagcggcg ctgcgccagc tccaggcgga 120
 gctcgacgcg gagcgcgggg ccgcggccgg ccgcgccagc gaggccatga ccatgatcct 180
 ccgcttgacg cgcgagaagg ctgaggccat gatggaggca cgccagttcc gccgctacgc 240
 cgaagagaag atggcccacg acgcgcgcga gctcgcggcc ctgcaggagg ctctctcgaa 300
 gcgtgaggcc gggatgcggg cgctccaggg ccagacgcc cgtcacgcct gcgcggtgcc 360
 gtcggggggc tccacccac gacgcccctc tgt 393

<210> 25369
 <211> 456
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C1

<400> 25369

cctcgtcgac gtctcactca ccccgcttc acgctccct caccaaataa ggtcccgccc 60
gtttgggaca ttcacagggg ggacaggaaa tcagcggcca tggcctcgat tccggcgacg 120
accttcgccg tcattcttacc cgtcctcttc tgtgccgcgg ctggcaccgc cgtcgacaac 180
gacctccccg actacgtcat ccagggccgc gtctactgcy acacctgcgg cgccgggttc 240
gtgaccaatg tcaccgagta catcgcgggc gccaaagtga ggctggagtg caagcacttc 300
tgcaccggca agctcgagcg ctccatcgac ggtgtgaccg acgcgaacgg cacgtacacg 360
atcgagctca aggacagcca cgaggaggac atctgctagg tggctcttggg ggagagcccc 420
cgcaaggact gcgaccaggt gcatgcggac agggac 456

<210> 25370

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C10

<400> 25370

gtgctactcc gccgcgccgc ggcgctcctc gtcgtcgctg ctgtctgcgc ggacggcgcc 60
gccacgttct actcctccga ccccaacctc ggatccgcgc gcgtcgtctt ccagacgaat 120
tttggtgata ttgagtttgg tttctttcct catgttgac ctaagactgt cgagcacatt 180
ttcaaacttg tgcggcttgg atgctacaac acaaactact tcttccgggt tgacaagggg 240
ttcgttgcac aagttgctga tggtatgtca ggtcgaaccg ccctatgaa tgaggagcag 300
aaaaaagaag cggagaaaac aattgttggg gaatttagta gtgtcaagca tgtcagggga 360
atcctctcca tgggaaggca ctctgatcca g 391

<210> 25371

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C11

<400> 25371

cccacgcgtc cgccacgcg tccgctcacg tttgcgatta ctctcttgga caactggcca 60
gggtcgtctt tcacaatgga cggttacata tataatccata catcttataa caaacttcaa 120
tataaaagtc acatagatgtt aataattagg aaaaagaagt cataacacta taagatcact 180
ggcttacatt ttgccccttt aaactaatca caacttctga ttacttctgc ggattctaga 240
atactacttg ttaacgtcga ctaattcggt cacagccacc acaaactaaa gatatagagc 300
tataataatg ataagcacia acattaccct ccaatattaa tgctgat 347

<210> 25372

<211> 393

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-C12

<400> 25372

agtaattagg tcgaaaatga cccgtgccag cagcagtagc agcagccggc gtgtgacgct 60
ggtactgctc ggtctccgcc tgetgcttct ggttggtgtt gcgcaggcgg tagtggagtt 120
ggtgcctgct gatgataata tcgccgccgc cgctgctggc acggcgggtgg acgatggcga 180
gccgcctcag cagtgcgcga ccccggtgag cgtggaggag gcgtgccgcg gcgcgtccga 240
gacgcacgcc ggctgggctt acgaccactg catggcgctc ctgggcgccg acccgcgagc 300
caaggaggcc ggcaacaaga acatgcacgg gctggcggtg ctggccacca ggatggccat 360
cgaccacgcc gncagcaccg agtccaagat cga 393

<210> 25373

<211> 468

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-C2

<400> 25373

ccggacgctg gcgtccgtgg acctcgcggg ccacgtggtg gcggcgcccc agtactgcc 60
ggccggcttc agcaactact tcacggacgc cttctgggtc caccggcgcc tcaacggcac 120

cttccacggg cgccgcccac gctacttcaa cacgggcgtc atgggtcatgg acgtcgacaa 180
 gtggcgcgcc ggcggggtaca cgcgccgggt ggaggagtgg atggccgtgc agaagcggcg 240
 gcggatctac cacctcgggt cgctgccgcc gttcctgctc gtcttcgccg gccacatccg 300
 ggcggtggac caccggtgga accagcacgg gctcggcggc gacaacgtcg agggccgctg 360
 ccgggggtctt catccggggc ctatcagcct ncttactgg agcggcaagg gcaagccgtg 420
 gctacgnctc gacgcccgcg gcccggtgctc tgtggactac ctatgggg 468

<210> 25374

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C3

<400> 25374

ggactagcat gcagtccgag ctacccgagc aggcccgcaa aggtcgcaag atatacgtag 60
 cgtcgggtctt ctccggcgac tagccaccca tctctagcgc cgctgatgog gctgatctcg 120
 ctgggtctcca gagaccgacg gcgtccagcg gtggccggag gagtcctgtg ttcttcgttt 180
 ccttaggtgt acttatgtgg gttttggggg ggcaagagag tttttttttt gtgaactctg 240
 gtgtatcgga tcaagtgaat atgtacctac atgttgtgtt cttaattctg cattgtacag 300
 ctatacacta tacaagggta cgggaatgct gaggtgtaac ttccatgcaa tatacttagt 360
 tctattcatc taatcatcaa actatcagca actttt 396

<210> 25375

<211> 433

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-C4

<400> 25375

ggtgtcctcc gcccggtcgc tcacgggctt cctcgtcgcc gcggcctccc tcgccgtcgc 60
 ggtctcngat ggcgggcgga tggcggcgcc tgtgtacggg tacgcggcgg ngagccccaa 120
 cgggcccggag aactggggga agctgagccc cgcgtacaag ctgtgcgggg aggggaagca 180
 gcagtcctcg atcgacatcg tcaccaagca ggccgtcccc gccgccagcc tcgacacctt 240

caatcgacc tacggcgcca ccaacgccac gtcacatcaac gatggccacg acatcacgct 300
ggcgctggag ggcaagggtg ggacggtgac ggtgaacggc aaggcgtaga gcttcgagaa 360
gctgcactgg cacttcgcct ccgaccacac catcaacggc cagagggtcc cgctggagct 420
gcacctgggc cac 433

<210> 25376
<211> 175
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-053-Q1-K1-C5
<400> 25376

ctgaccgcac tcttactttt actatTTTTT ttacactatt tttttttttt tttcttactt 60
tattttttttt agggacagtt ttattctatc attctcagtg atcaatactc ctactatac 120
ataatatacg aatactatta ttaatacaaa cctcaattta atgacccctc atcaa 175

<210> 25377
<211> 463
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-053-Q1-K1-C6
<400> 25377

gaccacgcg tccggcaaga gcaagcaaga gaggacgaca tggcggcgcc acggagcctg 60
ggggaccgcg cgctgcgcgg cgtggcggac ctgataaagc tgctcccgag cggcacggtg 120
ttcctgttcc agttcctgag ccgctggcg agcaacaacg ggcactgcgc cacgctgaac 180
aaggcgctga gcggggcgct ggtggcgctg tgcgggcgct cctgcgcctt ctctgcttc 240
accgacagct acgtgggcgc ggacgggcgc gtgtactacg gcgtggtgac gggggggggc 300
ttgcgcacct tcacgccga ccggacgcc gatcgccggg acctgtcggc gtaccgcctc 360
cgcgcggcg acttcgcgca cgcgcgcctc tcgctgctcg tcttcggcac cctcgcgctc 420
ctcgacgccg acaccgtcgc ctgcctctac ccggtgctgg agc 463

<210> 25378
<211> 295

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-C7

 <400> 25378

 cggacgcgtg ggctcatgcg cgctgcccac tcgctcatca agcggggccac cggtaggggcc 60
 gttgacgcgc cggcgccggc gcccgccgcc cgcgccaaga ttcattaatt gattattaat 120
 tcgttgatta atccgcggag cgccatacat atctcgatcc atattgtatt tgtttgttta 180
 tagtatatat cgatgtgggg tacgtttata tgtacctgcc attgtcattt cattaaaaaa 240
 aaaaacaaat acaaaaataa aaacagaaaa ataatccata aaaatataaa taaaa 295

<210> 25379
 <211> 457
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-C8

 <400> 25379

 cccacgcgtc cgaggattga gcacaggtct ctccaatcca agtagttcca gtacagggct 60
 gggcatgatg caacaaaaat ctgattctgg atcactgtcg acgtcgggtca acaatgccgc 120
 acatgggctg ctaagacttg cccctcctcc atccacatcg gttggaagag ggcgcggtag 180
 aaatcaagga cagtccgcac tctcccgagc atcaaggcct catgccaaact cggtatcagg 240
 acaacaacct atcctggatt tactctagta agagatggtc gcatctgttc ttcgcgttcg 300
 gattgtcaat gtgtacatcc tcaaaccttt gtaaggactg ggggttcaac tgcagtgggtg 360
 ctgtgagccg tgcattcgat ggacaactct cctatcgagc attttcatca attcgctaca 420
 cggccctaca tcnctgtgcc tgtgtgtgta ccactag 457

<210> 25380
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-C9

 <400> 25380

gacaaaacat ggatgtgaat gtgagaacca tgtggtcgtc gatgcgggca caggggtgcga 60
 tggctgtggt gttggtgttc ttggtgagcg gcgcattggtg cggctcctccc aaagtccccc 120
 caggcaagaa catcacggcc acctatggca aggactggct ggacgctaaa gcgacatggt 180
 atggcaagcc gactggtgcc ggtcccgacg acaacggtgg tggctgcggg tacaaggacg 240
 tgaacaagcc ccccttcaat agcatgggcg catgcggcaa catccccatc ttcaaggatg 300
 gtctggggtg tgggtcctgc ttcgagatca agtgcgataa gcctgtggag tgctccggca 360
 agcccggtgtt ggtgcacatc acggacatga actatga 397

<210> 25381

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B5

<400> 25381

agatcaccgg ccgtcgagcg agcagtctcc caattccacc caataactaa taacatgtcc 60
 gcgaactcca ggttccttgg accactatat ccaggagcga cgaagtgatc caccgcccag 120
 ccatggagat gaagaaggtc ctctgcgccg cctcgtcgc cgcgcctcg gccaccgccg 180
 tgctggcctc ggtcgctcc gagggccct cagaggcgcc cgcgggcgcg gccggtggtg 240
 cggctggccc tagcgcaagc ggcgcgcgcg cgcgcgcgt gccgcgcgcg ggggcgctcg 300
 tcgcctcctt cctgcctac tacctccact gagcgacgac gcgcggggcg gcaacgttgg 360
 gatgcacgtg gtttggttca tccgattaat taattgtttt ttttatttac gtggtttgcg 420
 attggttaat tgggtgtttg ttcgttcgtt tcgtggtcgt gtga 464

<210> 25382

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A12

<400> 25382

cgctgtctt gctgaagctg aactgctgat ccgtcttcca agctgtggtg tcacccctg 60
 agttctgatc caagatgtat ctccagtatt acatcaatga gaagggggac aaggtctaca 120

ccaccaagaa ggagtcacct cttgggggtgc cgacgcagtc tgctcaccca gctcgcttct 180
caccagatga caagtactct cgccagcggg acctgttgaa gaagagattt ggacttctgc 240
caacgcagaa gccagcactg aaaataggta tctgaggaaa catatcaaac actgctaggc 300
actactatga catctcagcg cattcaggca ctatatgtaa tgctatgtgt ttgacaggtc 360
tcaagtgcta atcaaggagg gtaacagctt tg 392

<210> 25383
<211> 449
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-A2
<400> 25383

ggcgggcgcg gggaggaagc tcaagttcga catcatcccc acggtgcacc tgtaccggca 60
cgaccgctgg gagctgccga gcctggcgcg cgtcgttggc gagcgcgagt ggtacttctt 120
cgtgccccgc gacggcggcg ggcgggcgcg caagcagcag cccggctccg gcggccggcc 180
tagccgcacc acggagcgcg ggttctggaa ggccacgggg tcggaccgcg ccgtgcggtg 240
cgccgncgac cccaagcgcc tcatcgggct caagaagacg ctcgctctact acgagggccg 300
cgcgccgcgg ggcaccaaga cggactgggt catgaacgag taccgncttc ccgacgctgc 360
cgacgctagc agcgacgcgc gcgtgccgca ngtggacgtg gtgctgtgca aggtctaccg 420
caaggccgtg tcgctcaagg agctggagc 449

<210> 25384
<211> 467
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-053-Q1-K1-A3
<400> 25384

ccaagatcca ggacaaggac ggcacccac cggaccagca gcgtttgatc ttcgctggca 60
agcaggtgga ggatggccgc acccttgccg attacaacat ccagaaggag agcacccttc 120
acctggtgct ccgtctcagg ggtggcatgc agatctttgt gaagacactc actggcaaga 180
caatcaccct tgaggtggag tcttcggata ccattgacaa tgtcaaggcc aagatccagg 240

acaaggaggg catccccaccg gaccagcagc gcctcatctt cgccggcaag cagctggagg 300
atggccgcac cctggcggac tacaacatcc agaaggagag caccctccac ctggtgctcc 360
gcctcatggg tggcatgcag atttttgtga agacattgac tggcaagacc atcaccttgg 420
aggtggagag ctctgacacc attgacaatg tgaaggccaa gatccag 467

<210> 25385
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A4

<400> 25385

cactgaacca ccctataaag cgcggggtct cagtctcacc ggcacgtatt caatcccagt 60
cgcacgcata gtatctccta gaggctcatc tcctccctct ctcgagccaa gagcagagca 120
gctaccaaac aagctctact ttcgcttccg atccatggag ctcgacgccg acaacctgag 180
cgccaccgag ctccgactcg gcctgcctgg gaccagcagc agcagcagcg acgactggca 240
gaagaagccg tcgccctccg tcggggccaa gcgcgctctg gacgacggca ccaagagcga 300
ggcctcgggg accagcccgg acgacagaga cctcgacttc gaccacgacc acgacaccgt 360
cgagccttcc aaggcgcaag tggtc 385

<210> 25386
<211> 64
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A5

<400> 25386

cccacgcgtc cgcccacgcg tccgccacg cgctccggttc tagatcgca gcgcccgctc 60
ggga 64

<210> 25387
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A6

<400> 25387

cactgatcca agacaaaaca tggctgtgaa tgtaagcacc atgtggtcgt cgatgcaggc 60
gcgaggtggc gatggctatg gcgttggcgt tcttgggtgag cggcgccctgg tgcggtcctc 120
ccaaggtccc ccctggcaag aacatcacag ccacctatgg caaggactgg ctggacgcta 180
aagcgacatg gtatggcaag ccgacgggtg ccggtcccga tgacaacggc ggcggctgcg 240
ggtacaagga cgtgaacaag ccccccttca atagcatggg cgcgtgcggc aacatcccca 300
tcttcaagga tgggtctgggt tgtgggtcct gctttgagat caagtgcgat aagcctgtgg 360
agtgctccgg caagcccggtg gtgggtgcaca tcacggacat gaactatgag cctatcgcg 420
cgtaccactt cgatttggca ggcacggcgt tcg 453

<210> 25388

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A8

<400> 25388

gagcaaccaa tggttaacct tgaaatgtgc atgactggtc tggacaagaa gaaagcttct 60
ggctttttca agactaatgc tgatgggaac acaacatgtg ccaaggaaat gacaaagctc 120
tctggcatct ctgaaatcat ccccgagatg gagatctgcg attttgactt tgaaccctgt 180
ggctactcca tgaatgcgat ccatggctct gcattctcca caatccatgt gacgcccag 240
gacggtttca gctatgccag ttatgagggt atgggcttgg atgccactgc tctgtcttat 300
ggtgaccttg tcaagagggt ccttcggtgc tttggcccct cggagttttc cgttgccgtg 360
accatcttca gggggcgtgg ccatgccggg acatggggaa aggcacttgg tgcagaggtc 420
tatgactgca acaacatggt 440

<210> 25389

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A9

<400> 25389

cttgtttgcg cctcgccgtt gattgatgcg ctactcatc tcacatgggt gggactcttt 60
 gctcttgag caccacctgt ctagtgggag ctactccagc ctctagacac caactccagc 120
 gccccgtat ggaacaacaa ctccaccctc actgtctgga cagcaagatt cattcacctg 180
 tcatatagtt tcatcgatga atctgaaact tttattgttc ctgtgttgcc cctatccaaa 240
 ggtcatgttc cttggatcaa ctgtaagggt aaccttttat cctgatatta tgatgtgggt 300
 atgtattcta ttttctcaac agtaggagta cattctaaag atcatagggt agaaatcttg 360
 cgccataaga tagctgctaa agaaaatgaa ctaaaagg 398

<210> 25390

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B1

<400> 25390

cccacgcgtc cgcaagaccg tcgaccagta ctatgtcgga tccaacaaca gcatccaggg 60
 cgcgtgcgtg atgaacaccc tcgactccgt ggtcgacgcg ctgccaggg accccgccc 120
 caagttcgtc gtcgtcgagc aggctttttt ccaaagggtg tgggcagaga aaatcccaaa 180
 cattcaggca gtagtccgca agctcgtgga ttcgggtcag ctagagttca taaatggtgg 240
 atggtgcatg catgatgaag ctgctgtcca ttatattgac atgattgatc agaccacgct 300
 tggtcaccgg atgatcaaga aacaattcaa caagactcca agagctggct ggcaaatcga 360
 tccttttgga cattctgcag ttcaagctta tttgcttgga gcagagcttg gcttcgattc 420
 tttgcatttt gcaagaatcg attaccaaga taaggaaaaa gcg 463

<210> 25391

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B10

<400> 25391

gattgagggtg gcatcaggac agacataggt ggctgggatg ggagttcttg cctatttctg 60
 tggccaggca acaatgttaa ataaaaggaa tgtgttatat tgtgctttca agatgataaa 120

ttgtggcaac caggttttga ttatgtaggc aatattttga caagctactc ttatccagca 180
tgaatgactt catgttagtg cgattgagta gatgttttac ttctgttgcc atcaccagtt 240
caacgctgta ctttcaattg attcgggtccc gtgttttcta gtttgcgttg ttacagatga 300
atttgactta agttttattg ataattctat ttgtattgct tgcaattaga aattgcaatg 360
tgggtttttg gatgtatcta cgtgccacc 389

<210> 25392

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B11

<400> 25392

accacgcgtc cgacctcaga cagacttcct gagagccatc tcagtcgctt ggcagcagat 60
gtacgatctg ttatgagacg acgtatttag ggatgtgtag gatgaagagg tgctgcgagc 120
cactcatagg cgactctggc aacgctgagc tggctgctga agctcctgct gcctataccg 180
gcaatggcta caccagggc ttgaacgtcg tcaagggtgt caactctggc tccgtcttaa 240
cgacctacat tatctgaacg tccgtgacat gagaccgacc caagagcatg ataacagcta 300
gggaccagag actcgggaata atcagcacta ctctgatgat caagctcgat cagcagcaa 360
atgctgaagt atgccctcac accacaatcg gcgatgaac 399

<210> 25393

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B12

<400> 25393

aggatgacga gcgaggcccc cgccgtccgc gccgcgtcca tccactgggt ggcgttgagc 60
cccgcggggc ggaacaggga cgggtcctcc gaccccgctg cccactcgga gtccgtgaag 120
gtgttcatgc cgaagtggaa gaacatgatc acctcgcggc gctgccatct cagctgcggc 180
gccgacggga tcggcagcac cggcagcggc ggtggagtcg cgcgccacgc ctctgtcgcg 240
gagacgagga cggctacggc cagcgccgcg gcggccaggc acagcagcgg gcttgccatc 300

gtgctgctgt tattgtcact tctctgctcg cgatggctaa gtgtagcggt atatactggc 360
ccaggcctgt agctgtaggg agggggagat gcgtt 395

<210> 25394
<211> 437
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-B2

<400> 25394

cccacgcgtc cgggtccggga atccgggctg tacattcggc gtggctccag gggacacgga 60
cgctgccgc cggatgatgcc tgacgccagg cgctccatgg acgggcgcag caccctgccg 120
gagctacca cgcgcccacc gttccgcgag cgctcgctcc cgtcctcggc caccaagaac 180
gtcgtcgtcc tgccgggaaa ggactactcc gaggcgcct cccgctccgc gaggcacgac 240
tcgttcggcg gcgacctcga ctccggcccg agcacgcgt tctcctccat ggacttcggc 300
gacaacctcg acctcactgc cagccccgct cgggagcca tgtcacggc caccggcgcg 360
caacgggata ttgaggtcga gatgcggcg ctnccgctgg aactcaagca gaccatggac 420
atgtacaacg cggcgtg 437

<210> 25395
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B3

<400> 25395

cccacgcgtc cggatgtatc aaactggtct ccgtttatgc caaatggttt caaatctgta 60
gggactggag ccacagtagt cttttttgca tatgttgat ttgatgcggg tgctaattct 120
gctgaggaag ccaaaaggcc acagagagac ctaccattg gtatactagg aagccttata 180
gcatgtgtgt tgttatacgt tgctgtatgc ttggtcatta ctggaatggg tccatataca 240
ttacttggtg aagatgctcc tttggctgag gcttttgctg ctaagggcct gaaatttatt 300
actgtattga ttagtattgg agctgttgct ggacttacaa caacacttct tgttggcttg 360

tatgttcagt cacgtttgta ctttggactt ggaagggatg ggcttttacc ttcagtattt 420
gctgaagtac acccaacaag gcatactcct gtacagtctc ag 462

<210> 25396
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A11

<400> 25396

cggacgcgtg ggtgcaaata catttcttgc cttgccggca cagctctgca tagcgctccc 60
gaagcttttag gattaggatt tggatttggg tttggatttg gatcgggtgt gtttcctgcg 120
taaccatgag cgagatcatg aagctaaagc gtgggatcag caccaaacca ggagaccacc 180
tcgtccaaaa tggccaacaa catccatgtc acgaatggga ggagcaacag cgctactggc 240
cctcgccgcg ggcgcgcgcg gcgagcccg cggagtcgcc caggacccca ggcgggagcc 300
agaagaaggc ggttctgggc aaggtgaaga gcaaggccaa gaaatggatg cacatgctgc 360
atcacaagaa gaaacccgcg ccaccggagg agatgat 397

<210> 25397
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G5

<400> 25397

gcagcagtag gtcgaaaatg gcgatgaggt cgctagcgct actggctctc ctcaggctgc 60
tggttgttgg tgtggcgcag gcggtggagt tggagatgga gttgggtgct gctgatgcaa 120
ttgcgatgac tatggatcat gagccgccgc aggagtgcgc gaccccggtg agcgtggagg 180
aggcgtgccg cggcgcgctg gagacgcacg ccggcgtggc ctacgaccac tgcattggct 240
cgctgggcgc cgacccgcgc agcaaggagg ccggcaacaa gaacatgcac gcgctggcgg 300
tgctggccac caggatggcc atcgaccacg ccgtcagcac cgagtccaag atcgacgacc 360
tcgcggagct ggaagcggcg tcgtcggatc cgcaggcgcg cgcacgcttc aaccactgcc 420
tggagcagta cggcggcgcc gtcgacc 447

<210> 25398
<211> 447
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-052-Q1-K1-G6

<400> 25398

cccacgcgtc ctgtgctacg gccctacgcg gcgcagggcc ggtcgcagtt ccaggaggag 60
ggggagggtgc tgagctgcat gcggcacccc aacatgggtgc tcctcctcgg cgcggtgccc 120
gagtacggat gtctcatgta cgagtacatg gccagcggca gcctggacga ctgcctgttc 180
cagcgtgctg gcggcgccctg cgggaccgtc atccgctggc agtaccagtt ccgcatgtgc 240
gccgagatcg cgacgggggct gatgttgctg caccagacca agccccgagc cgctgggtgca 300
cctgcacctc aagcccagga acatctgctg gaccgaacta cttgagcaag atcagcgact 360
tctggctggc gcggctcgtg cctccgtccg tcgncgacac cgtgacgcag taccgtatga 420
cgtgcaccgc ggtgaccttc tgctaca 447

<210> 25399
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G9

<400> 25399

gtgcgagctt acatggagac gctcaagaag aaccatcaga ggctgctctg cgaggggctt 60
tcaagatcaa agaagtcgtc cacagaccct cggcgcacgt tctgccgcc gcaccccgca 120
tccgcgccgc aaccgcgagc cgtccggcaa acgcccgcac ctgcggtagc gccgcagccg 180
cggtttccat cctcctgcaa tcgccagcgc gccctccgcg ctcttgccgt gatccactcc 240
tagatcccgg aggcattgct caagggcggc ggtgaccatc tcagtgggca tccgctgttg 300
cgtcgcggcc gagcgggatg gcgtcgacaa ggtcaaactc cgcccactgc atcactttgc 360
gccacccta gggctccctg gttgttgatc cccaacacag accaccagcc accgaggcgc 420
c 421

<210> 25400
 <211> 453
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-052-Q1-K1-H1

 <400> 25400

```

ggcaagcttt tcttcaggag tgaaaggatc atgagtcaat ggcatagttt atgcttctga   60
ggctttgaat gctgcagacc cgtaacaat caaggcagtc aagggcccgcc catcttcctt  120
tgcattaatt gtaagaggcg gatgcacggt tgatgagaaa gtgaaaaatg cacaggatgc  180
tggattcaaa gctgcaattg tgtatgacaa tgaaaataat ggggtgcctg gtttcatggc  240
tggaagctca agtggcatat acatatagcg tgatctcggt tcgaaggcct cangagaggt  300
gctgaagaaa tcttcaggac atactgatgt agagggtgtg atactaccta cattcgacaa  360
ctcagcctgg tcgatcatgg caatctcatt catatcgctg cttgccatgt ctgctgtatt  420
agctacgtgt ctctttgtga gaaggcatcg aat                                     453
  
```

<210> 25401
 <211> 302
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-H10

 <400> 25401

```

ctagcgagga gtacttcata agaaacatta taactctaaa cgaaaacgcg aacgggttct   60
gggagaagct gaatggcagt aacgggatcg catgctcaag cagaccgatc tcgtccatgt  120
tcgtaatggt gtaactctac ctgtactgtc tgcaagggat cactgacgac atgtactcct  180
gataccggct tcacaaggaa gactcagtgg ttgctataac tatgtgtgtc gatatatgcg  240
aagactggct cccgatcacc ttgaacatcg atccatcctc tctctaagac gttctggaca  300
gt                                                         302
  
```

<210> 25402
 <211> 161
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H11

<400> 25402

ctctcgact acataactcaa tcaactaacc cttctcatca accatcatca cacgcgcaac 60
cgatcccaac acgctcgacg agcactcccc atcttacgcc gacatctcca caccatgt 120
cgctcccgac gccactccaa tctcccttga cgtcgccgat c 161

<210> 25403

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-H2

<400> 25403

catacatcaa ataaacaagc gcacacgaac aaatacctcg ccgacaataa tggcctncag 60
ggcctgcatt gtgctcgcca cggcgatgct agctacacta ttcgcggttg gtttgtgcac 120
caccgcgtc accttacagg tcggttaagg atccaagcct ggccacctga tcctcacc 180
gaacgttgcc accatatccg acgtggagat caaagagcat ggtggcgatg acttctcctt 240
tacgctgaag gagggcccga ccggcacctg tacactcgac accaaggccc cgctcaagta 300
ccccctttgc atccgctttg ctgtcaagtc tgggtggctac cgcacgcgcg acgacgtcat 360
ccccgccgat ttaaggctgg caccacttat atgacgacac tcagcatcta atcagcatct 420
gaagatgaac tatatttcaa agagctcatc tggcgca 457

<210> 25404

<211> 278

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H3

<400> 25404

ggcacgttgc cctgcttgta tcaactgacg acgattgcat gcgagaatga ctgcctatga 60
ggcttggtt gcctatggac ggtgaaacta ggtgcactgt tcgagaatga aacgtacatt 120
agcactca acttatacca caaactgttt tcaaaaaccg gtgactttat ccgcgtgca 180
aacattgaaa ccatatacga cgtatgacat caaagatcat ggtggccatg acttcaactt 240

tacactctaa gagggccatg cacatctcct gtacactc

278

<210> 25405

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H4

<400> 25405

tgcgccacgc gtccgccac gcgtccgctt atgtgaagct gcctgactac aattctggaa 60
agggtggaggt gcaatacttc catgagaatg caacttttgc tactgttggt ggcacgaagc 120
cgactcctgt gattgatctt tctgggacag taagtgtcga aggagttgca tttggtgcat 180
aagctgggta tgacactgct acaggaaaat ttaccaagta cactgctgca attggtgtaa 240
ccaagccaga ctaccatgct gcattcattc tggcggacaa aggtgacacc attaaagtgt 300
cagggtgttta tcaccttgat gagaaacaga aggcctcagc tgtggctgag ctaaccgga 360
ggctcttaac aaatcagaac acactcacag tctgtggact gtacac 406

<210> 25406

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H5

<400> 25406

cgtagttegg tcacatggtg acccctccca tctgtcacac cggcgatgac gccacgggg 60
aggcatgact acaagccgaa gcctacgct gatgccgcca ccgcggcgaa ctactcgtcg 120
ttgtggtegc ccaagcgct catgcagcgc gctgcccgcg ctttacgccc cagtacgtcg 180
ctgccecgct tcaggacggt caaggacctc gccgaggaac gggcctcagt gctcgccggc 240
agcttcaagg tctctgatga ggccgctgcg gctgctaccg aggtgccaac tgcagggtgc 300
aagaccttca tcagcaacta tgcccgcgac ggcgccatgg tcagctgtgc ttgacgagct 360
gaggctgctg caccacgatg actataatcc tgagatcggt cgcgtgaaga tcatactcga 420
tgacgcgttt cctgtcgatg ctgcttag 448

<210> 25407
 <211> 347
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-H6

 <400> 25407

 gtctgggtcg ctcgctacat tcttgagagg atcacggaga tcgccggtgt ggtggtgacg 60
 gtcgacccga agccgatccc gggcgactgg aacggcgccg gcgcgcacac caactacagc 120
 acggagtcga tgaggaagga gggcggttac taggtgatca atgcggccat cgagaagctg 180
 aagctgcggc acagggagca catcgcgga tacggcgagg gcaacgagcg ccggctcacc 240
 ggcaggcacg agaccgccga catcaacacg ttcagctggg gcgtggccaa ccgcggcgcg 300
 tcggtgcgcg tgggccggga gacggatcag aacggcaagg gctactt 347

<210> 25408
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-H7

 <400> 25408

 gtctgggtcg ctcgctacat tctggatagg atcacggaga tcgcctgtgt ggtggggacg 60
 ggggacccta atccgatccc gggcgactga aacggcacac atgcgcactc taactacagc 120
 acggagtcga tgaagaagga ggtcgtatac taggtgatca atgcggccat cgagaagctg 180
 aagctgcggc acatgtagca catcgcgga tactgcgagg gcaactagcg ccggctcacc 240
 gtcattcacg agacctccta catcaacacg ttcagctggg gcgtgaccaa ccgatgcgcg 300
 tcaatgctcg tgttccgata gacggatcat atcgacaagg tctacttcta ggaccgtcgc 360
 ccagcatcca acatggaccc atacgtggtc acctacatga tctccgaaac caccatcatc 420
 tggaagccct gaggtcta 438

<210> 25409
 <211> 422
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-H8

<400> 25409

cccacgcgtc cgcccacgcg tccggtcac tctattctat cttcttcttc tctactcaaa 60
gccggcgatc aggggcaaacc cagcctgatc gacgaggacg gctagggggc ataaccacgc 120
cggcgacaac ggaccacgac tacgatctcc gtagtcgggg acctgctcac ttgggcatta 180
cagcccttga cattgactga taaaaatctc tgggccctcg tttgtcttat gttaccactt 240
accagaattg caatcgatag tgacatctct tggatatattc atgaagactt acacgagttg 300
tgatagctag cttggataga cagaatgccc cagggtgtggc tgagctaacc cgggagctct 360
caacaaatca gaacacactc acagtcggtg gactggacac aagtgatccc cagacagctt 420
tg 422

<210> 25410

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H9

<400> 25410

ctgacgcagc tcatcgctc gtctctcttc ggcgggggccg cgtcgctcgc cgggggcctc 60
gcgcggcacg ctcttcggct accgcgacgg ccgcgtgtcg ctgctcgtgc agcagaacgc 120
gcggtgccag cccacgctgg tggtcgagct ggcgctcccg acgcacgcgc tgcctccgca 180
gctcggcgcc cagcgggcg cgcgcatcgt gctggaggtc gagaagcgcg ccgagcaggg 240
caccgtcgac ggcaacgagg ccatcgtcac caccgaccac gacgggtggg tgcctggagga 300
gctcatgtgg accatgttct gcaacggcaa gaggggtggc tacgcggtgc ggcgggaccc 360
caccgaggag gacatcgccg tgcctggagac gctgtggggc gtctccatgg gcggcgcgct 420
gctccccggc aggtcggaca tgga 444

<210> 25411

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A10

<400> 25411

ataaataata aagataataa aaaaaaaaaa ctttaaataa tataaaataa aaaaaaaatg 60
aaggatataa aaaaaaaaaa ataaattaaa taaaacaaaa aataattgta aataattatt 120
ggggttccct ttttactggc cccctttttt cctcctcttc tttttacttt gttgactttt 180
tttttttggt cccttgattt cttttttcct cctcgccttt tacaaaacct gtgttggaac 240
tccctttggt tcccctactt taattccctt tttccattc ccttttttcc cggttggggt 300
atttcccaat ggcccttccc cttttgtctt tccccgcatt tgctaatacat aattgccttt 360
tggtccccc 369

<210> 25412

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G3

<400> 25412

tgcgccacgc gttcgcgata aagtccccgc tcccgtagaa gagaagggtgg atgtgaagct 60
ccaggagctc aaagaggcaa tatctgggtg gatcaacaca gagtatgaag gatgccatgt 120
ctgctttgaa ccatgagggtg atgcagattg gccaggcaat gtataaccag tctgggtgcc 180
gtgctgctgg gtctactcct ggtgctgagg ctgggcctac ccctggtacc ggaccagtgc 240
agaatgatgg ggatgtcatt gatgcgaact tcacagatag caattgaggg gtgatcgatg 300
catgaccatg tgttgagcat gggtggcata aaggagagtg agcaaatagt tccttttttg 360
tggtgggatt tttactgtag gctatctagt atggagttga tagcggtagt gtttcgcgaa 420
cttttctctc gtgattttga ctcaacaatt ggctg 455

<210> 25413

<211> 281

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F10

<400> 25413

tctctgactc tttggtttac tcattcttcg aactcttgca acattcttac ctacagggga 60
cttagttctc attcatttga aggcagacca tgcatatcaa acaggaagac accaggccta 120

acacgcatgc atcctactac atacaacaac acttaccoga ttgactatac tacaccgatc 180
aactgtctct tccttgccag gcctgtatac ttatatgcat ctgactaaat caaatcttcc 240
atgcttctac gctgacgctt gcgactcccc aaacttctac g 281

<210> 25414
<211> 446
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-F11
<400> 25414

cccacgcgtc cgtgatcatg ggaagacaac tctgttggat tatatacgca agagcaagtt 60
ggtggcatct gaagctggtg gtataacaca agggaattgg agcatatcag gttctttttac 120
cagtagatgg aaaccatcaa gcctgtgttt ttctggatac tccaggacat gaggcgtttg 180
gtgcaatgag agctcgagga gctagagtaa cccatatctg tattgttggt gttgctgcgg 240
atgatggtgt tcggccacaa acaagtgagg caattgcaca tgcaagggca gcaggggtgc 300
caattataat agcaataaac aagatagaca aggagggagc taatgcagaa cgagttatgc 360
aagaactttc ccaaatggg ataatgccag aaatgtgggg tggatgatac ccaatgatcg 420
agataagtgc tcttactggg gataat 446

<210> 25415
<211> 399
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-F12
<400> 25415

cccacgcgtc cgtgatcacg gtaagacatg tctgatgtat catatacgct agatgaaggt 60
gcttgcatat gaaactcggg gcgcaacgca ctggaatcac gcatatccct gtctatgacc 120
agagaagaga tgctatcact gctgcgcatg tgtggatact tcaggacact atgcatgtgg 180
ctcattctga gctgcaaccg ctagctgacc cgctgtccga actggtgtgg tccatgcaga 240
gtatcgagct catgcacgac acagataaag caagttcacg tgctaggaca cgtggcgtgt 300
cctgtatggt cactattcac aggatcatcg tggcataagc tcctgcatac atacttatgc 360

tagatctttc ccaatttact ataccgcctg aagaggata

399

<210> 25416

<211> 66

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F2

<400> 25416

aactctcgta atccaccctt tgtacattac catctagagt tgctcctttt tttccatgag 60

cggaag 66

<210> 25417

<211> 414

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-F3

<400> 25417

tacacctgta gaaggattga gagaatggct ggatgctgtt cagacagcan ggataccttg 60

tgctgtcgca tcacccttg acaggagatg catgatcgaa gctttggatc ggatggcgct 120

aacaaatatt tcaaggcgat cgtgactgac gaagatgata tggagtcgat agcaaatcga 180

tttctgtcag ctgctatgaa gttggatcgt aaaccctcga agtgtgtggt gttcgaggat 240

gacccaaggg gcgtgacaga cgccacaaac tgtactatga tggcagtcgc attgattggt 300

gctcatacag cgtatgagtt ggtacacgca gaccttgcca ttgcaaagta cagcgagctc 360

tcagtgatca acctcagaag gctgtttgcg aacaagggaa tcagcttcat ggac 414

<210> 25418

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F4

<400> 25418

tcgcggacgc gtggccccta ccaaccagga accgtccaat ggccgccatg gctcgttccg 60

tatgcctcgg tctggcgccc cttttcctac tctccctcct cgtgtccagc gtgatcagtg 120
cgcggaaccgt ggtcgacacc gtgcaggacg cgtgcagcaa gacccatgtc cacaagatct 180
gcgtggacag cctcgacggc aagccggaga gccagaaggc gacgccgcgc aagctggcgg 240
agctgttcgt gaacatcgcg gccgagaagg gatccggcat ggccaccttc gtgcaccgca 300
agtgcagcga catggatgac agcgacatat tcaagtgcta cgacagatgc tccgacgacg 360
tggaggaggc cgtcgtccac ctgaacggtc tagttcggga gccaccgac gccaaagtgtc 420
tcgagctcaa gtcgtgggtc tctccacgct 450

<210> 25419

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F5

<400> 25419

cccacgcgtc cggctccccg tccttcggta ggtgcattgc ttcggtggtc caccatggcg 60
cggcgagcgg tggccacgat gacgactaat aagccccttc tctcctcgc cctggcgctc 120
gcgtccttg gtgcggcgcc ggccgccgcg aacgcgcccg gcggggcggtt cagcaactgg 180
gtggcgatga accagcagag ctacgcgctg tacgcgcaga agtccgtcgg ggactggggc 240
aaggagcccc tggacaagaa gctgtcggag gcggagaaga agaaggtcac gtacgtggtg 300
gaccccagcg gcaagggcga ctacaccaac atcaccgcgg cgctggagga tatcccggtg 360
agcaacacca agcgcgtgat cctggacctc aagcccggcg ctcagttccg cgagaagctg 420
ttcctgaaca tcagcaagcc gttcatcacg t 451

<210> 25420

<211> 237

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F6

<400> 25420

cccactcatg cggctcccaa tcattgcgat tatgcaactgg ttcctactga cactctgggtg 60
ggtcgtgcat ggcgcgaggg aagaaccaat gggcatctat gcctactcgt cctggcctcc 120

tgggtccttg aacctcaaca agccggcctc aacgggcaat gccgagcctt acacaactaa 180
cgctgtacac agccgcatga gcacgcctct gcacacgcac tagtacgccg acaaccg 237

<210> 25421
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F7

<400> 25421

catggacatc cagcataact cggtgacggc gctcggggcg accgaccca acatgaggtc 60
cgggctcttc atccagaact gccgcctggg gcccgaccag aagctgttcc cgtaccgttt 120
aaagatcccc tcgtacctga gccgcccctg gaaggagtcc tcacgcctcg tcatcatgga 180
gagcaccatc gccgacttcg tcaagccata ggggtacatg ccctggaacg gcgacttcgc 240
cctcaagacg ctctactacg ccgagtacaa caaccgctgg ccagttcct gcaccagcaa 300
gaggggtcaac tggccctgct tacacgtcat ctgacggaag gaggccgagc cgttcaccgc 360
cgggccgttc atcgacggcg ccatgtggct caagtacacc gtcacgccgc acatactcgg 420
tttcaagttc taaaggccgc at 442

<210> 25422
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F8

<400> 25422

cccacgcgtc cggcattctc ttcccttccc tgagcaaaga gaagtagcca caagcatgtg 60
gggcatcatc gacaagatcc aggagacgct ccacatcggg gccgaccaca aggaggagca 120
cgagcacaag aagggcgagg agcaccacaa gaagggcgag gagcaccaca agaaggacga 180
cggggagcac aaggagggca tcgtggagaa gatcaaggac aagatcaccg gcgagcacgg 240
cgacaagtcc gccgaccaca aggacaaaga ccataaggag aagaaagatc agaagaagaa 300
gaaagagaag aagcacgggg aaggccatga ccatggtgat ggtgacggtc acagcagcag 360
cagcagcgac agcgactga 379

<210> 25423
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F9

<400> 25423

```
cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgttcgcg agaggggaac 60
gagcagcctc caataaaagc cagcacatcc aaataaaacc gagagacctc agccctcagg 120
caagccgacc gccgacgtac caccgcgcca acccgagaga aagatggaga tgatcaagag 180
gatactcatc gccgcgctcc tcgtagtcgc cgtctcggcc accgcagtgc tggccttcac 240
cgaggccgcc gccgcggcg cccagccgc ctccgagtcg tcggcgctcg ccgaagcccc 300
cgctggcgcc gccggcgccg gcgccggcac cggcaccgcc gcggggccct ccgacagcgg 360
cgccgcgccc gccctcgccg ccgcgcccgc cgagctcctc ttctgcctac tcgcctacta 420
cctgcactaa gccgacggac 440
```

<210> 25424
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G10

<400> 25424

```
cccacgcgtt cgcccacgcg tccgcccacg cgtccggcaa attcttcttg catggagctt 60
gcttcaaagg agattactgt gaattctccc atgactgcaa tgatcaacca gataatgttt 120
gcactttcta ccagaaaggg acgtgcacct ttggtagccg ttgcagaaat gaacatgttg 180
aagttcattg taactgcccc caaccagcaa ccaactgtagc gcgtgcatcc tccaattctt 240
ctcagctagt tgcttcttcc agagatcccc attgcagcga atgccaaacg gatttatgtg 300
accaaacaca gcagatttgc aagtcaacag cagcactttc tgcacatcaa cctgcatggg 360
ttgttgatta tcatgaccat gacactccag atgatactac aagctggccg ttgcaccaag 420
ctgtgc 426
```

<210> 25425

<211> 368
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-G11

 <400> 25425

 cccacgcgtc cgaaaacacg tacctccacg cgtacagcaa agactagtgc catggagctc 60
 gtgtacacag gacatgactg agaagtctcc cctcactgca atgatcaacc aggagatgag 120
 cgcgctttct accagcaacc ggacctacac ctaacgctat ccgttgcaaa gacgatcacg 180
 gtcaacttaa gagcatccgg caacacccag acaccactct caagggcgct tactccaatt 240
 actttaacct cgttgatgcc tgcataatcc accatatcag catatgcca acggactaat 300
 gtaacctatc actgcacagt tactagccta caccaagact gtttaccat caacctagct 360
 gggtcgac 368

<210> 25426
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-G12

 <400> 25426

 cccacgcgtg cgtcgaaatc tgcgtggcac ccatatggct gcggtcgatg cggcggaata 60
 agaacgtaat catagacacc gaccccgtaa ttgatgacgc gatggccatc ttcttggcgc 120
 tgcggtctcc ggagctggag gcgctgggccc tcaccactac cttccgcaac gtgcacaccg 180
 ccctcgccac gcgcaacgcg ctccacctgc tggaggctgt tggcaggact gacatcctcg 240
 tggcagatgg atcccatgta acgatcaaga aagccaccaa gctgaggatc gcaagcttcg 300
 tccacgggtc agacggcctg ggaaaccagg acttccttc accagctacc aagcctgtag 360
 atcagtctgc tgctgcctta ctggctgagc aggcaaactc gtaccctggt caagtttagca 420
 ttgtcgccct cggaccactt ac 442

<210> 25427
 <211> 424
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-052-Q1-K1-G2

<400> 25427

tcgcccacgc gtccgggcct tatttttcag ggctgggacg atccatatgt aactcgtact 60
catgaaggtc tcctgaagtg gaaataccct gagatgaatt ctgtggactg tctgttcgag 120
cttacgaatg ataatcgtca actggttctc ctttatgaga gaggaaaaaa gaaactcatg 180
gatggtgccc ggatagcatt tactgacgat gtagatccat cctctatcgc cgggaggatt 240
gttgaatgct cctggaataa ggaagaacag tggttggtcct gtatgcgtat tagatctgat 300
aaatctactc caaacgacat caacacatac cggaagggtga tgaagagtat cacagataac 360
attacccgan gaaaagcttc tcgaagagat tgatgagata agtcttctcc cgatgtatgc 420
tgat 424

<210> 25428
<211> 453
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-052-Q1-K1-F1

<400> 25428

tcgcccacgc gttcgcccac gcgtncgcgg actcttggct cctgaccccc aagttgaaat 60
tgagggccaa cagctgataa tggaatatgc caatgtgggt gcggaggaca gtcacttggg 120
catgtcgaat tcggttcaga gtgctcttcc tcacgggctt cgtcagggtga accggatgat 180
gtgtcaattg atattgcttc catgacaaaag catactaata aaaaccccaa aaagaagaag 240
ttcttctcta agcttcggaa actggtgctg ggaaaaggga aagagaaccg tgaaatttct 300
actctggaga ggagagtgtc tatttcaagt tgttccttcg atgacttcac tggaagggat 360
tcacatgata gctattcttc gttcatggca gaaccaaaca tgcttgatag tcgacggcat 420
ggtgatcatg gctttggtac acattcttct ttg 453

<210> 25429
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D6

<400> 25429

gaaaagaaaa ggaacctgtc ttgatgtcgt cgtcgtcgt gtctccgacg gcggggagga 60
ggtcggggtc ggacggcgac tcggcgggcg acacgcacag gcgcgagaaa cgccggctgt 120
cgaaccgcga gtcggcgcg cggtcccggc tccggaagca gcagcacctg gacgagctgg 180
tgcaggaggt ggcgcgctg caggccgaca acgcgcgct ggcgggccgc gccgtcgaca 240
tcgctccca gtacaccgc gtcgagcagg agaaccctg gtcggggcc cgcgccgtcg 300
agctcggcga ccgtcttcgc tccgtcaacg aggtgctccg tctcgtagag gatttcagcg 360
gcgtcgcat ggacatccag gaggagatgc cggcgacga cccgcttggt cgtccctggc 420
agctgccta cccggctgcc gccatgcca t 451

<210> 25430

<211> 284

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D7

<400> 25430

acgcgtgcaa gtaggatttt gatgaacacg acctgcttgt gtggtgctgg atcgtactct 60
gtgggtgaag gtgcttgaca cgctggaagg cgagtgaag catgattctc tgatcacgag 120
acatgttgag aatagataaa cacggacaac agctctgtac atggcagttg gcaagctatt 180
gttacttgct aatcggttg tacctgaaat gatctctaag ttggtctgtt atcaaggcct 240
gtacaccgga tagagttgaa gacgcaggat ctaatagcca atga 284

<210> 25431

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D8

<400> 25431

gtaccgaacc tgactatcaa taggattgtt cttcgtgata ataactaggt tcggataatg 60
gatgatggtc gcataggcct gctttatatg gccctttact cccgtgttgt tatggatctt 120

tgctaaaaac atgatcaaga tatcagcttt taacaagtca agggcgattt ttacacattt 180
 aaagggaat ggcgcttata acaacttggg gatcagcaca ccctgtcgaa gtacatgggt 240
 gaaactaaga tgcataggga cacctttata tctgaatcta tccttgaaga ggtataacca 300
 tatatgtaat tcttcatata atgtttcact tgtcatgcta agatggataa agtaggtttt 360
 tatgtgcaca ctgtattctg atctggatat actagcgctt ttcatagataa tgggcatgct 420
 tatttaaga acatgatgat catatactt 449

<210> 25432

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D9

<400> 25432

cggactcgtg ggcggactcg tgggcggact cgtgggcggc gtgcacatca gctgggtgcg 60
 ctcggtcacc atggactcct ggaccgaggc gcagctccgc aagatggagg ccggtggcaa 120
 cgaccgactc aacgccttcc tcacagctcg cggcgcttct aaggagacgc cccacgtcgc 180
 caagtacaac ttcaacgcct cagccgccta ccgcgaccgc atcgccgcgc tcgctgaggg 240
 aaagccgtgg actgaccgcg ccgtgggtcaa ggagactccc ggatctggcg cccccgcccc 300
 cgctaggaag ccgcccgtgc acacatctgc cgactccggc tgcggctggt gggacgactg 360
 ggacgacgat tttcgcccg acatgatgcg gaatcagtcg gttggatcgt tcgtcgacgc 420
 ggggtgcgcag tcaggga 437

<210> 25433

<211> 454

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-E1

<400> 25433

ggcaggaagt ggtcttctga ggaacaagac ctgtctgtct ctgctggatc tttctttgta 60
 gttgatgatg ctggacaccg tggaaagcga atgagaaaat cattctctga tcaagaagca 120
 tcttcagaag agtcaaacgg tcagaacagc tctttacagg gcagtaggca agctattgtg 180

acttgttcac cggtaggtac ctcaaagatg cttcaagttg gtctcttatac aagcaaggca 240
gcaaggaaag agttgaggaa gcagaagcga atagcagctg agaaagtgtg tgatctttgc 300
ggcagatcaa tgctctctgg aaaggatgtt gccaccttgc tgaactgcaa tacaggaaaa 360
ctagcttgca gcagtagaaa ttcaagtggg gcttaccatac tatttcacac ttinctgcctt 420
ttacactgga ctattctgtg ccaatacgag atgc 454

<210> 25434
<211> 448
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-E10
<400> 25434

ctacgaggta ctcaccgagc ctctcaacca ccatgttgca ctgtccaggg gtcattgggt 60
cgtcgtagag caaggcctgt gattgaatgc atccaaacaa cgacaccaac gccaacatta 120
attaattagt agtctccatg ccctgggatt gtgcgtggcc gctccgttaa acaccacca 180
tccttcgttc ggcatttttt ccccttgtt tatataattt tattgtatcg ttttggcaaa 240
taattttgtg attcgacccc aaagcaagtt tggttgtctt acgatttgta aacctggaac 300
aatatataat gtgattgaac tgctttgtct aaaaaaatag aatctaaata tgcaaacccc 360
gtggccgtca ataaacgatt aaacactaac gtactaaagg ccacaaaaca gaaagtcgct 420
aacaaagtac aaatagtcg tgcattggc 448

<210> 25435
<211> 294
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-E11
<400> 25435

acggccactc gtacgctcac tcttgactg accattgggc atgggctcgt cgtagagggg 60
ggcgtgtgat tgaatgcata ctaacaacga cactaacgct cactttaatac aagtatgagt 120
ctccattcac tgagattgag cgtgctcgtt gcgataaaca ccacccatgc ttccaacagc 180
atttaacacg tcttgcttat ataattttat tggaccacta tgtccaataa tgacgtgatt 240

atacaccaga tcatgattgg tattcatact attctctaag ccgaaacaat atat 294

<210> 25436
<211> 440
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-052-Q1-K1-E2

<400> 25436

gatctctgct cccgatccat ctccggctgc cgcgcgcggt agatctccgt tcggcagcgt 60
gtgatctgcc cgatccgtgc ggttgggtct ggatcgggtg gtgaaggtag cgggcgcgga 120
ggaagatggg gctcgcgttc gggaagctct tcagccggct cttcgccaag aaggagatgc 180
ggattcttat ggtcgggtctc gacgccgccg gtaaaaccac catcctctac aagctcaagc 240
tcggcgagat cgtcacaacc attcncacca tcggtttcaa tgttgaaact gttgagtaca 300
agaacattag cttcacggtc tgggatgtcg ggggtcagga caagatcaga cctctctgga 360
ggcattactt tcagaacaca cagggctctta tctttggtgg ggatagcaat gaccgtgacc 420
gtgttggtga agccagagat 440

<210> 25437
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E3

<400> 25437

cccacgcgtt cgccatttcc aaatccacac ctggcccggc tgccccaaat gcgtcggcat 60
cgcgccgtcg ctgctgcaca ccgtcgatga ctcccggccc ttccaacgcc gtcggcgacc 120
tcttcgctgc caacctcaag ggcgcgctcc ttgcggttgc ctctccgcc ttcatggcg 180
ttagcttcat cgtcaagaag aagggcctac gccgggccgt caccgcgggc gccgcgcag 240
gtgttgagg ctatgggtac ctcttgagc cactgtggtg gattgggatg gttacgatgc 300
tgattgggga gattgccaat tttgtggcct acatgtttgc gccagctatt cttgtgacct 360
ctgttggtgc gctcagcata attgtcagtg ctgctctagc ccatttcacc ctgaatgaga 420

agctgcagcc gatgggtgtg ttgggctgtg tgct 454

<210> 25438
<211> 452
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-052-Q1-K1-E4

<400> 25438

aatcctcata cccaaggggtg acttccttgt cggacaactc aacttaacag gcccttgcaa 60
gggcgacgtg accatccagg tggatggcaa tctgctggcg accacggacc taagccagta 120
caaggaccat ggtaattgga tcgagattct acgtgtggat aacctgggtca tcaccggcaa 180
gggaaacctt gacgggcagg gccagccgt gtggagcaag aactcctgca ccaagaagta 240
cgactgcaag atccttccca actcgctggg gatggacttc gtgaacaacg gtgaggtgtc 300
cggngtcacg ctgctcaact tcaagttctt ccacatgaac atgtaccggg gcaaggacat 360
gctgatcaag gacgtgaccg tgacggcgcc cgggtgacagc cccaacacgg atggcatcca 420
catgggcgac tcatccggga tcacgatcac ca 452

<210> 25439
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E6

<400> 25439

catacgggat cgagtggcgt gaccaaagat aagaagggat ggcttggttg gggcgcgca 60
ggaaggtgcc tagggcgatg actagccatc aaaggtgggg agtaaggatg aaacaagtga 120
cccagggaag caaaaggaga agggcatttg gaagaagaaa aagggtggct catctgctga 180
gtctgtataa catgatagcg agtacaagaa ggggttaaga ccagtgttgt ggttgacacc 240
cgattgtcct ctgaagacag atgaactcat acctctgctt gatgtactat caaacaagt 300
gaaagctatc acgaagctta aggaactctt gacaacaaa cttcctacaa gcacatttcc 360
agtcaaaatc gccatcccta ttgtttcaac gatacgagtc attatcacat tcacaaagtt 420
tgaagaacta c 431

<210> 25440
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E7

<400> 25440

cccacgcgtc cgccacaca gaaaacccta gccgccgcca ccgaagcggc ctcccaggta 60
agcaggatcg tccagcccgc cgccgccatg aagcgcaatc ccgcgcgtcac gagctcccgc 120
cggaagtgcc gcaaggcgca ctttacggcc cgtccttcg ttccgcggg ttctcatgtc 180
cgcggggctg tcgacggagc tccgccacaa gtacaacgtg cgctccatcc cgatccgcaa 240
ggacgacgag gtgcaggctg tgcgcggcac ctacaagggc cgtgagggga aggtggtgca 300
ggtgtaccga cgccgctggg tcatccacgt cgagcggatc acccgcgaga aggtgaacgg 360
ctccaccgtg aacgtgggca tccaccctc caagtgatc gtcaccaagc tgaagctcga 420
caaggaccgt aaggcgctcc tcgaccgcaa 450

<210> 25441
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E8

<400> 25441

atttcatcaa cgaaattcgt caggctggca gaaatggaga actttcaggt gagactttca 60
tgttcttcaa caagcagatc ataggaatca agagggagat catacagctt ggtgtaccgt 120
tatttcaacc taccacagag gatgctaatt gtcacacata accaatcccc cttgtcctgc 180
aggctgtcat tgaccacctt gttctttggc gtttaatacc agaaagcagg aaaccaaata 240
gtgtcgacat caacttcttc gatgaggatg aacattcgca tccctacttc aagcctcccc 300
atcttgacaa cccatttgc actcttctgc tgtctgaaac cagcatggca tttggcatgt 360
cacttgtcac tgacagcaac ggtaactaca aaggacctgt cacactttca ctaaagcaag 420
ggtacttact agtgatgctt gggaacagt c 451

<210> 25442
 <211> 304
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-E9

 <400> 25442

 cccacgcgtc cgccacgcgc tccggtcggt gctgctgctc ctccgatctt cttcgctctt 60
 ggccctttcct tcctcccagc cgcgcgcgcg gaggaagga gaagaagaga ttagaagggc 120
 gccggaagga gaagaacaca gctacattga ctagccaata actaggaaaa aaacaaaatt 180
 agggtcggcc gggcaggccg cggcgcgcgg tggcgcgga ggggagcagg cttccacgcg 240
 ctcttctctc tgccttcacg tgatcgatcg gttcaagaac acgccggaat tgaagtctcg 300
 catt 304

<210> 25443
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-D5

 <400> 25443

 cccacgcgtc cgcacacaca cactcacaga ggagagaaga taagagaacg aggggcaggg 60
 cgagccagcg ccgatagctg aagcaaggca gggcaagaga atccgtacgt cgaggtgcaa 120
 gtcgtaggta ggatggacgc ggaccagtca ggcgtggttg cggcggcggt gaagccggcg 180
 ctggccaagg ggacgccgtc ggcgtcgctt cggctgcgca acgggagcct gaacgcggtg 240
 cgctccgac gcgtgttcga cctgttcgac cgcaacgggg acggcgagat caccgctgac 300
 gagctggcgc atgcgctgga tgcgctgggc ctggacgccg accgcgccgg gctgttcgct 360
 accgtctgcy cctacgtgcc cgacggcgcc gtgggcctgc gcttcaagga cttcgacaag 420
 ctccaccgtg cgctc 435

<210> 25444
 <211> 434
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-C11

<400> 25444

ctggaagact ggcgtcaaag tggagaccca gaagatgatg ctgggaacgt tcaggcccca 60
gctagagccc tataatctacg agggcgaaga agagacgaca cctgctggca tttttgctag 120
aggctcctat tccgctaaac taaagtttgt tgatgacgat ggcaagtgt tcttgagat 180
gagctactac tttgagatta ggaaggagtg gccaggaggc caatggatgt ggccggacca 240
gcagggcaga gctgactcgt cggagtacgc tgttggttaga gctcatagca aaaagccaag 300
cagaaaatat gtgctatcgc ttcaagaatg tttcactact ttcttcgtca ttatcgattg 360
tgttttgatt tgtttcgagc tgtcattaat tgtatgttgt ttgtcgcata aggctgctta 420
ttcgcatata taat 434

<210> 25445

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C12

<400> 25445

cccacgcgtc cgggccggcc gtcattgctgg cacagccgca cggctccagc agccgcaagg 60
atgtccaggt cgccttcagc aacgccgacc acaaggacag cagcaccaag gtggaacagc 120
cggcggacag ctctttgaag ccggcgagcc tgaacgcgtt cgacatcatc tcccactcca 180
gagggttcga cctgtcaagc ctgttcgagg tggaccaaga gcagaaggcc agcaactcgc 240
ggttcatgac ccagaaaccg gcgtcggcga tagtgtcaaa gctggagcag atcgctgaga 300
cagagcgctt catggtgaag aaacaggacg ggctggtgaa gctgcagggg tccaagcaag 360
ggaggaaggg gcagctcgcg atcgacgccg agatcttcga ggtgacaccg gccttttcacg 420
tcgtcgaggt gaagaagtcg gc 442

<210> 25446

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C2

<400> 25446

cctgcattgt ttggtcgcca ctactacat ggcgatggc cgcgtcgctg tcctcggcgc 60
 tgagctccat ggaggtgatg ctggacgcgc tcatgcagcg agggataggc aagccggaag 120
 aagccagcag caagcccaaa gaagaggagc cgtcaccggc gctgcccagc cgcgcgacgg 180
 tgcgaggcag actccccggc ctgcataggc ccggcggcac agcagcggct ccgtggatcc 240
 accggccatt cccggtaccg cagccaacgc aggaagacga tgaagagaaa tgtctggtcg 300
 gtcgggagct ggaaagacgg gcggccaagg cagaggagga agtgaagcag aaagacgagg 360
 agatgaggca gaaagagcag ctcatcgcca cgctgcaacg gcaggtgcag cactacgaat 420
 cccggctctc ggaatgcgag gtcaggatga aatct 455

<210> 25447
 <211> 456
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-C4
 <400> 25447

tcgatcggcg ctgtccgtct tcgctctttt cgccagggca aattaaagct ccaatgcagg 60
 ctgcgtacta tgcaaaggat ctttgggttg aagtccagtt gaccggaatt ggaaaatact 120
 tctgatactt acagatttca cagaggctctt gtttattttc tactattttc cttcaagcac 180
 gtggaatagt acgtttgaca aacaatttgc tgacgagggtt ttcgaacacg gctgaacacg 240
 cgcgcaaggc gtgcacagta cacgcgcgca tggggaggag gagaacaaga ggatggtgaa 300
 ggcaaggccc aagccaacgc cgggtcaaagc ggccccagaa gtgatcttcg acccaatggc 360
 ctctggtgcc cggaagcccc gccgaccagg ggcgccgtca gccagcaaag aatggcacag 420
 cttcatggga tcgagtctgt cggatatgta tcggaa 456

<210> 25448
 <211> 453
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-C5
 <400> 25448

cccacgcgtc cgtccacgcg tccgccacg cgcccggtcc ttggcgtggt gtcctcgccc 60

tgggtgcccac ctctgtccca atcaaactga tcgatccgtc gcctgcaggg ccacagcagc 120
 cgcggcgagg tcgtccgtcg gattcggaag ctcatgtatt actgaaaaga taatacagta 180
 cctatggctt ctctggacgc cgtgcgagga gacctcgccc tgctgattct gtacctgaac 240
 aaggccgagg cgcgggacaa gatctgccga gcgatccagt acgggtccaa gttcatcagc 300
 aacggcgagc cagggcctgc gcagaacgtc gacaagtcca ccagcctggc ccggaagtgc 360
 ttccggctct gtaagtctgt caacgacctg cacgctttga tcagccctcc tgccaagggg 420
 actccgctcc cgctgatcct actcggaag tcc 453

<210> 25449

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C7

<400> 25449

cccacgcgtc cggagaatcc ccaagcaatc aaacagggtc caggagagagg ataggagagg 60
 agaggagagg ttgggtcttg gacaccatgg atccgctgaa gctgtacggg gcggtgatgt 120
 cgtgaaacgt gacgaggtgc tcaacggcgc tggacgaggc tggctccgac tacgagatcg 180
 tgcccatcaa cttcgacacc ggcgagcaca acatcctgga gcacctcgtg ctcaaccctg 240
 tcggtcaggt tccagctctg cacgatggcg acttgtaact cttcgaatca cgagcactct 300
 gctactacgc tgctcgcaaa atcaagccag agctgttgac ggaaggaaac ctcgacgagg 360
 cagccatggt cgatgttttg atcgaggtgc aggctatcca gtacaccgtt gcactgaatc 420
 ccatectctt gcaggtcctc atca 444

<210> 25450

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C8

<400> 25450

cccacgcgtc cgcacgccac aggcaaggca cagaggcttg tgaggagagag cgaggagcgg 60
 aggaggacat ggtgcacggg acgctggagg tgctgctcgt tggggccaag ggctcagaga 120

acaccgatta cctctgtaac atggatccgt atgcaattct caagtgccgt tcacaggagc 180
agaagagcag tattgcaact ggaaaaggaa ctacccttga gtggaatgaa aactttatct 240
tactgtgtc tgaccggaca acagacttgg taatcaagat tatggacagt gatacaggca 300
cagcagatga ctttgttggg gaagcaacga ttccattgga agcagtgtat actgaaagga 360
gcattccacc aacactctat aatgttgtga aaggtgaaaa atactgcggg gaaatcaaag 420
ttggtctcac attcactcct gaggatact 449

<210> 25451
<211> 271
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D1

<400> 25451
gcgtctctc cctcggccgg ccgctcgtcc gctcgtctc ccccgccaga atctccaggt 60
gatggcggcg cgccgtgtc actgacgtct gcagcgggtg ccgcgccgag cgcgcgatcg 120
ctggcgatgg ccgtcgaggc cagcatggag cgcgcgcgcg actgtcggcg ccacgagcac 180
cagctgatgc atcagccgag catccaccgg cggtcgggtc ttgcgtccgt gacctcgttc 240
acgatgcagt gggcatcagg gtcggcgtct g 271

<210> 25452
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D10

<400> 25452
cacagccgga cgatccgagc agagaagggg aggtacctgc tacgactagc tagagtccac 60
gcgcgatggc gccaccagg atccgcgtgg ccttgcgtgag cttggcgctg gtggggctgc 120
tcattctcca cctcgccacc accgcctccg ccggcaagaa cagaatccgc atcctcgaca 180
gcgtcgacga ctcgccggg gacaacaaca gtcggacgc ctcgccggg gacaacagca 240
ccgactccga gtcggaaggc cgcgtcgtct attccgacat gaagctggct gatgagacgg 300
gatctgcgcc ggctccggca ccggcgccgg ggccgacgac cagttgaagc gaggaaggtg 360

gccaaaactg agggcccggc tactatcttt tgctataact aaagataggg ccaagtttaa 420
 tttctccgat aaattctgtc cgagca 446

<210> 25453
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-D11
 <400> 25453

aaggggggca gcgagcgagc gagccacgta cgaagcggta ggtagcagca gtacgtgctg 60
 ggcceaagct agtgccaatg gcgagggcga tgctcgtggc cctggcgctg gtcgtggtgg 120
 tggcggtgga gatcgcgacc agcgcgttcg ccggcaagat cagaatgagg atactagaca 180
 gcatcgacga ctcgatcatt tacaacaaca ggtccaacgc ctcagcctgg tacaacatga 240
 cctacttcga gtcggaatgc cgcgctcttct attccgacat gaagctggct gatgagacgg 300
 gatctgcacc ggctcctgca acgacgccgt agccgacgac cagttgaagc gaggaaagtg 360
 gaccaaactg aaggcccggc tactatcttt tgctataact aaaaataggg cc 412

<210> 25454
 <211> 447
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-D12
 <400> 25454

cgcttcccc ttccaccgcg cgatcgccct ccgctcgctc caccgcggcg ggcgatcgct 60
 catctacccc taacctcccc cgctcgcgat tcccgaggcg aggtgccacc caccgcagat 120
 ttcttccgac ggacgggttg ctcgctcacc ccctacttcg ctgatcggat cgcgtgctgc 180
 ccgaggtaga ggtgatgata aggcatagtt gtttgactta gctgcctta gctatttctt 240
 gaagctaagg gaaataataa ttggtgttat ggcatttaga aatatggttt gtactcccca 300
 agtcattaat cttacatcag actcagagag agggcaagct caaggaggca atggtagtga 360
 gatatctgag caaggtgcac aacatgctgt cagagttgta ggaaatgcaa tgaacattgg 420
 tctctctggt gtgcgaagtt actatga 447

<210> 25455
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-D2

 <400> 25455

ctcttatcca cccgcgcgcc caccgccgcg cgcagcaccg cgcgcgccac ccgcgggtcac 60
 cgcagcgcgc caaatgccgc tccaacccta gcctctcgcc atgcctttcg atctcgggcg 120
 gccatgggaa actgatgccg ctcgccggtc gccgtcgcgc gggaggacgt cagctcctcg 180
 cactttcccg catccacctc gtcattggagc tctgcgaggg cggcgagttc ttcgaccgca 240
 tcgtcgcgcg ggggcactac accgagcgcg ccgtcaccaa tgtcactcgc accatcgtcg 300
 aggtcgtcca tttctgccat cggcagcagc tcatccaccg tgacctcaag ccggagaact 360
 tccttttcgc caataagaag gagaactcgc cgtcgcgcag cgccctctc gatatg 416

<210> 25456
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-D3

 <400> 25456

ggaacatcca tcgatcttcc cccagcggcg aggagagccg gcgggtcacag gaaggagaaa 60
 gggcttgccg acacaacgct ctccgggtgt ttttcatcct agccgtggta tgtgccgtat 120
 gcacagcgaa aaggacagga gccacaagg aagaatcggc ggcagcccc ggtggcgctg 180
 ctggaggcag cggcgggacg ttcgacatct ccaagctcgg cgcgaccagc gacggcaaga 240
 cggactgcac aaaggcagtc cagcactcgt ggacgtcagc gtgcgaagcg accggaagcg 300
 ccacggtggt gatccccaag ggcgactacc tggtcggtcc tctcaacttc actgggccat 360
 gcaaggggag caacatcgac attcagctgg atggcaacct gcttggatca aacgacctgg 420
 acaagtacac ggtgagctgg atc 443

<210> 25457
 <211> 304

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-D4

 <400> 25457

 tcgctctcat ttacccatgc cccaaccgc cgcactcata ccgcgcgcga caacccgatt 60
 ccacggcagc gcccctaatc ccgttccaac cctagccttt cgccatgcgt ttagatctcg 120
 gtcggtcatg ggaaactgat gccgctcgac ggtcgctcac gcgcattagg acgtcagctt 180
 ctgcactta ccaggatcca cctcgtcag gagctctggc agggctgcta gttcttctac 240
 cgcacatctt cacgggagca ctacaccgag cgcgcgcgtca ccaatgtcac tctcaccatc 300
 gtcg 304

<210> 25458
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-052-Q1-K1-C10

 <400> 25458

 cccacgcgtc cgacgacaac cacggcaagt tcacggccgg gccgtggaaa cccggccacg 60
 cgaaccttct acggcgggag tgacgggtcc ggcaccacgg cgggcgcgtg cgggtacaag 120
 gacacgcgca cgcaggggta cggcgtgcag acgggtggccg tgagcactgt gctgttcggt 180
 gacggcgcgg cctgcggagg gtgctacgag gtgcgggtgcg tggacagccc tagcgggtgc 240
 aagcccagcg cggcagcgct ggtggtgacg gtgaccgacc tgtgcccgcc caaggaccag 300
 tgggtgaagc caccgcggga gcaattcgac ctacgcatgc ccgcgttcct gcagatcgcg 360
 caagagaagg ccggcatcgt gcccatcttc taccgcaggg tggcgtgcgc gaagcanggc 420
 ggcatccggt acaccatcac cgggaac 447

<210> 25459
 <211> 457
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-052-Q1-K1-A4

<400> 25459

tcggtacata ggccaaccc tgcttgaggc tcttgaccag atcaccgagc ccaagaggcc 60
ttcggacaag cccctgcgtc ttgcccctcc aggaatgtgt acaagattgg tggatttgga 120
actgtaccgg ttggtcgtgt ggagactggg gtcacaaagc ctggtatggg tgtcaccttt 180
ggccaactg gcctgactac cgagggtgaag tctgttgaga tgcaccacga ggcgcttcag 240
gaggctcttc cgggtgacaa tgttggcttc aacgtgaaga acgttgctgt caaggatctc 300
aagcgtgggt ttgtggcctc caactccaag gatgaccctg ccaaggaggc tgccagcttc 360
acctcccagg tcatcatcat gaaccaccct gngcagattg gcaacggcta tgccccagtg 420
ctggactgcc acaccttcca cattgctgtc aagtttg 457

<210> 25460

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A5

<400> 25460

cccaaagttc atcactgata ccaaggctgc tatcgccgaa acttacaacc taacagattc 60
agaatttctg aaagctgata gctgtcaaac tcgagatgct ggctcaactg cctcaacagc 120
tattattgta ggtgaccgtt tgcttggtgc aaatggttga gattctagag ccgttatttc 180
taaaggagga caagcgattg cggtttcaag ggatcacaaa cctgatcaga cagatgagag 240
acaaagaatt gaggacgcag ggggctttgt tatgtgggct gggacatggc gagtgggtgg 300
tggtcttgct gtctctcgcg catttggtga taaactcttg aagcagtatg ttgtcgctga 360
ccctgaaatc aaggaggaag tggtcgacag ctcccttgaa ttctcatcc ttgctagtga 420
tggactctgg gatgttgtca ctaatgagga agctg 455

<210> 25461

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A7

<400> 25461

caataatgga gtttccgcac caccaccacc accacgggca tcgccgcgac gacgacgaag 60
acgaccgcag aggccgcct cccccgtct acggcggtta cggccagcca ccgccacccg 120
acccgtacgg tcgcgcgccc gtcgaccccc atccgtacgg tcgacctcgg cccagtcgg 180
cgtacgggtg ggccggggac gcctacggcc acagcggtca aggctacgg cccccgccg 240
cctacgggac cggggggcggg tacggcaacg tcgtccacgt cgcgcacgag gtcggcgacg 300
agaggcctta ctacggcggc ggcggcgggc gtcttggtgg cgcctacgga ggcggtggct 360
ccgagtacgg tcacgagggc cgaccgcacc acggcgggcg cggatcccag tacggccacg 420
agacacgccc gcaccacggc ggcggtggcg gcg 453

<210> 25462
<211> 445
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-A8
<400> 25462

cgacggcaac ctgctcggca ccggcggaact catcgcgtag cagaggaact ggatcgagat 60
gggggaacgt cgagaacctg tccatcaacg gccactgcac catctacggg cacggagccc 120
tggtgtggag caagaaccag tgccagcatt cttacaattg caagatcctc ccgaatagct 180
tggtgctgga ttttgtgacg aacgtccaga tccgcggcat cagctgctc aacagctagt 240
tcttgacact caacatcttc gagtgcaaga acgtgctgat cgacaaagtg acggtcaagg 300
ccccggcga cagccgcaac acggacggca tccacatcgg cgactccatc aacgtgacca 360
tcagcagcac caccatcggc gtcggcgacc actgcatctg catcggcccc ggtagcaaga 420
tgatccgcat ccatggcgtc aagtg 445

<210> 25463
<211> 195
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-A9
<400> 25463

ccggcaacaa gaccatggcc gtctgcaaga acgcatcgg caagtccatc ggcttggcaa 60

aggagctcgc ctgcatctga accaattgac taacatgcat atattatata ctaggtatat 120
 gcccgctgcat tgcaacggaa aacacttggt tatacacagg tcatttttta gtaatgctat 180
 caagaatcaa ctcat 195

<210> 25464
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-B1
 <400> 25464

cggacgcgtg ggttttggag ttcaagcccg cacgaaatgg agaacagtgc cttgcaatcc 60
 ggacacagta tgtcctcaat cagcactgct gcacaaccta atgacagca tgcttctgga 120
 agtagcagct ccccaaata atttgtaaata caagcaggaa ataatatatt atgacagaga 180
 gtctctcag tataggccaa ctctgaaat tgggtcacaca catggccaga tgtaaaactat 240
 ttgttcttat gggtcccgaa ttccaaccct ataggggtctt ctactatggc accagactag 300
 acagcagtgg attggaaaac gaagacataa ttctcagggt caacaaagtc aaagaccaa 360
 aataagttgt aatgctacat acgagagcct gctcgggagc tcgaaaccat ttgcacaacc 420
 gatccc 426

<210> 25465
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-B10
 <400> 25465

tcgcccacgc gtccggtcct tctctctctc ttctctctcc ccgcgcccac catcctggga 60
 tgttcatctg aaaagttgag atcgacagtt tctgagcaca gggcgcgatg gacgttccgg 120
 ccgttgcgga ccctggaacg gagcgaggcg aaggcgctct gatccagtgc ccgtactgcg 180
 actcgagggc gatgcacaag ctggcgcata tctctctccc tggcctcgcc gccgtctgcg 240
 tggacggcac cactgaggac ccgttccgaa gtccgttcgc agcgggcgtg gacctgcgca 300
 aggagatggt ggactacatg acgcagcgtg acgacagctg tatecgaggac gctctgatcg 360

agtcggatgc gaaccaggac gcgcccggag cctatgtgcc agacgacccc ttcgag 416

<210> 25466

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B11

<400> 25466

ccaccacctt taccaccgaa gagagaaacg cgagcaacca gcgatcgccc catggccgcc 60
atggctcggt ccgtctccct cgctcgtagg ccccttctcc tctctccct cctcgctctc 120
gccgcggcca gtgcgcggac cgtggggcgc accgtgtagg acgcgtgcag caagaccag 180
ttccccaaga tctgcgtgga cagcctcgcc gccaaagccg agagccagaa ggcgacgccg 240
cgcaagctgg cggagctgtt cgtgaacatc gcggccgaga agggatccgg gatggccacc 300
ttcgtgcacc gcaagtacag cgacaaggag gacagcgaca tattcaagtg ctacgacagc 360
tgctccgacg acgtggagga ggccgtcgcc cacctcaacg gcctcgtcgg ggagcccacc 420
gacgccaagt tcctcgagct caagt 445

<210> 25467

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B12

<400> 25467

cagaccaaga cgtcgcgcgc cgacgacgcg gacgacgccg tgcgcccga ggcgcgcgag 60
ggggggcgga tcgtcgacga gatcctgccc tacctcggcg ccaccaacct gtgggactac 120
ctgccgctcc tgccgcggtt cgacgtgctc ggggtgagga acaagatcag ggacgttgct 180
ggcaggaggg acgccttcct gcagcggctc atcgacgcgg agcggcggat gctggacggc 240
gacggcgact gcgacgagac gaagagcatg atcgccgtga tgctctcgct gcagaagtcg 300
gagccggacg tgtacacgga caccatgac atggcactgt gcgggaactt gtttacagcc 360
ggtacggaga cgacgtcgac cacgatagaa tgggccatgt cgatgctgct gaaccacccg 420
gaggccctga ag 432

<210> 25468
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B2

<400> 25468

cttgctggta ttatgtgtgg gcaatttggg gtgcctttct gggagttctt gtttgctact 60
 gggattggga aagccatcat caagactcat attcagacac tatttatcgt gtccctgtgc 120
 aacaatcagc tcttgtatct tattgaaaag gagttaatct ggatatttgg tcacgttcct 180
 gggttttctg ccacccttcc gtctgtgatt gccagactcc atgctgcca cgacaagtat 240
 ctatcaccac cagccccagt ctaccgtca tcacaaatgg gggagaaaca gtggaatttc 300
 tcttttacat ctgtctggaa ctctatagtg tggcttgtgc ttttgaactt cttcattaag 360
 atagtcacgt caacagcaca ggattatctc aaaaagcagc aggatacggg gatggaactt 420
 atttcggatt ccccgatcca tgaccattct aaaa 454

<210> 25469
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B5

<400> 25469

cactaccata atatgaagac ggaggactca tcctacccca tcttcatcga catgaagtac 60
 ggtcccaaca agttgtgtac tgtcaacggc gccttcatgg tcaccgactt ggatgtcacc 120
 ttcaagaaca tcaccggcac ctgcttcaac ccggaggccg atagcctgct ctgcactgac 180
 aaggttccat gcaccgtcgt taccatggat gacgtcaacg tcaagtatag cggcaccaac 240
 atcaagacca tggctatatg cacgaacgcc aagggcagca ccaagggctg cctcaaggag 300
 cttgcatgct tctagacct tcatcgactg acccatctct ctagttataa tgtatatctc 360
 gtacttgcat tgccattcg atgctatcca ttggtaactc acaacagtta aacgacagac 420
 atccgacagc tatattatgt tcgacgatgt cacac 455

<210> 25470
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-B8

 <400> 25470

 caagggacca atgaaaagac ttggcacgat ttccaccttt ttgagccttc aaaacagaac 60
 gggttccaaa cttaccacca aagaaatctg caaagtggtc aaatggatga acaagagcca 120
 gcaaattcta tctggtctag ctgttaccat gtgtgatttg gtaactttta ccacgatgat 180
 tgctggagtt tctggggaca gactattgga ttaagcggca cgacctgac tattgagctt 240
 agcccatacc tgcagcactt agtggttaaat ttcttttgag aatggtagtc tttcaagcat 300
 gacaatggct gctgttaagt ttgggagtg cgcacatcttt tgggccaaag atggggtaga 360
 ggatgattga tctgtcggaa gtctgatggc gatgaattaa tacgaggtct tcaatgctga 420
 cagaaagggt taatgaaaca aact 444

<210> 25471
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-B9

 <400> 25471

 cagaccaaga cgtcgcgcgc cgacgacgcg gtcgacgccg tgtcgcccga ggcgggag 60
 gggctgcgga tcgtcgacga gatcctgcc tacctcggcg ccaccaacct gtgggactac 120
 ctgccgttcc tgcggcggtt cgacgtgctc tgtgtgagga acaagatcat ggacgttgct 180
 cgcaggaggg actccttcct gcagcggctc atcgacgtg agcggcggat gctggacggc 240
 gacggcgacg gcgaccagaa gaagagcatg atcgccgtga tgctctcgct gcagaagtcg 300
 gagccggacg tgtacactga caccatgac atggcactgt gcgggaactt gtttacagcc 360
 ggaacggaga cgacgtcgtc caccatagaa tgggccatgt cgctgctgct gaacca 416

<210> 25472
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C1

<400> 25472

cggacgcgtg gggaggaagg tgggagagag gaaggagcag aggagagagg gaaaagaggg 60
agcaggcggc ggctgagagg atggcagggg cggcggccac agggaaaatg gcggctaggg 120
ttaggatgtt gggcctaata gcgtcattaa acttgtggac ataccogttt catcattgtt 180
gtccttaaac aactccaaaa gtgctgctgc cttttcctcc ccttcctcgc gtcgagtggc 240
tccacgcttc cacttggttc cgaagcactt tctgcaatct cctcccattt ctgggtgtgct 300
tcagctatgc agttcagcag cgtgcttacc ctagacggaa aagcgtgtat gagcccagtg 360
aagaaaagca gtggaggtta tgggaatgag aggatgagga tcaac 405

<210> 25473

<211> 183

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-A3

<400> 25473

ggaagnnctg ctggtattcc acgaagacca tctacaagc tccatcantg aagtgcgaca 60
gtggatatta ggaaaggatc tgtatggcaa catcgtcctc tccggtggta ccaactatgtt 120
ccctggcatt gctgacaaga tgagcaagga aatcaccgcc ctggctccta gcaacatgaa 180
aat 183

<210> 25474

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H1

<400> 25474

cggacgcgtg ggccgtgcgt gccccggggg ccttgatcgc gcgcaccggt cagctgagcg 60
cgtctgattc gcgtgctgcc agccctccgc cgatcgtgaa acacaaccgt cgggtggtttg 120
cttgcttgat cgctgacctt cggggacgct cacggtcatg gcgcctcagc ctgtgcgcgc 180

tccgaggctg agcgcccccg ctggccacgc ggcgtgcagg tgctcggccg cgccgctatt 240
 cgggaagcgg gcgccccccg tcgtcgcgtt ccccgcgcc cgtagcggcg gcgccgtcgc 300
 ctctgtctcg gccgtgcagg agtcgtccac cttcaccact gttagcaaga agaaggatgc 360
 cgcggaagggt gcccaaggagg ccacagcgga tgcggcgaag ccggccgc 408

<210> 25475
 <211> 425
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H10

<400> 25475

cagtacacca cacactcgcc ttccgatcc catccctctc cagccacctt cctccgctgg 60
 ccgtgcttct gcttcctccg ccaccaccgc cggcatggct gcgcgctgcc cctacttcgc 120
 cgtcgaggag tctctccgcg gcatccgctc gggggagtcc ccggccgcgg cgctccgccg 180
 gatcctcgcg acgcctgggt cgcaccaggc gccctgctgc tacgacgcgc tcggcgcgcg 240
 cctcgtcgag cgcgcggggg ttccgatcgg gtcatgggc ggtttctgtg tttctgccgc 300
 gcgacttggc ttgcctgatg ttggcctcat ttctatgga gaaatggtag atcaagggcg 360
 tctcatcaat gaagctgggt caatcccagt gattgggtgat ggagacaatg gttacggaaa 420
 ttcta 425

<210> 25476
 <211> 417
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H11

<400> 25476

caatgccaa cctaagccac tagccgccta ccttttcacc aagaatagga agctgcaaga 60
 ggagtttgtg gcgagcgtcc ctgcaggagg gatgcttgta aacgacactg cgctacatct 120
 caccaaccgc tacatgccct tcggcggcgt cggcgacagc gggatgggct gttaccacgg 180
 caagttcggc ttcgactgct tcagccacaa gaaggagtc ctgatccgcg gctttggcgg 240
 cgaggcgaac gccaggtacc cgccctacac gacggagaag caaaagatcc tgaggggcct 300

catcaacggc agcttcatcg ccctcaccct tgccctcctg ggcttcccca gggagaagcg 360
ttagatgctc cggcctcttt ttggtttcgg tacagccttt gtagtccttg ttcgtcg 417

<210> 25477
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H12

<400> 25477

cccactgcta taggcagccc acatgcgcgc gcactcccaa gtcccaagtc ctaagctagc 60
cagctgagct cgctcccagt ccaagcgccg gcgccaccac cgcagctgct cgctggtcac 120
catgagcaag gagaagcacc accgcgactg gacccctcgg cgctgctgtg gctccctcgc 180
cgctgcatc ctgacgctgg ccgccgtcgt cggttccatc gtgctcgtca tcttcttgcc 240
gctgcgcccc tccaagccgt ccttctacct gcaggacgtg cagctgcgct ccatcgacct 300
cagcgacccg gcgctctccc tcgacctcca ggtgacgac gtgtcgcgga acccgaacga 360
gcgggtgggc gtgtactaca agacgctgga cgcgttcacc acgtaccgcg acgaggcggt 420
ga 422

<210> 25478
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H2

<400> 25478

cgcacgcgtc cgaccacgcg tccgcaaata atctaccact gcgtgagctc atgcgtgcgc 60
gcctgcaatg gagtctccg accatgcgct catcggccta atagacgccg cagactccct 120
cgccgtcgag ctctcagatg gcggcgggat ggcagtgcct gagtactgat acgctgaaga 180
gagccacaac gagccgtaga actgggagaa gctgaacccc gactacaagc tgtgcaactga 240
aggggaagcaa cagtccatga tcgacatcgt taccaaacia gccgttcacg ccgtcagcct 300
ccacaccctc aatcgtaact acagcgccac catacgacac gtcacatcaac gatggccacg 360
acatcac 367

<210> 25479
 <211> 355
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H3

<400> 25479

cgaacgcgtg cgatctgaat ccatgtgatc aacgagacag gacttatatc tcgagcggga 60
 ctattaccag gacgtgggag gagatcctga ggggttaactg atagaggcctt taagcatgct 120
 ggttgaaaag caccacaatt gtggtttgaa taaactgctt gaaacgcacg gagatgaaca 180
 tatgcacgaa tctggatgca tggaagatga aggcgatgca aacgagcagc ctgacacgct 240
 atcattagaa caggctattc taatgataac tagcataaca cgagggaatg ttttgagcaa 300
 cccaaatgtg ctttctgacg atatagatcg ctgcatgaga cacattttcg tacac 355

<210> 25480
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H4

<400> 25480

acccacgcgt ccggacagac agcacgaagg ctgtgcagga ggcattgggca tcggcgtgcg 60
 gcggcactgg gaagcagaca atcctcatac ccaaggggtga cttccttgct ggacaactca 120
 acttcacagg cccttgcaag ggcgacgtga ccatccaggt ggatggcaat ctgctggcga 180
 ccacggacct aagccagtac aaggaccatg gtaattggat cgagattcta cgtgtggata 240
 acctggtcat caccggcaag ggaaaccttg acgggcaggg cccagccgtg tggagcaaga 300
 actcctgcac caagaagtac gactgcaaga tccttcccaa ctcgctggtg atggacttcg 360
 tgaacaacgg ggaggtgtcc ggggtcacgc tgctcaactc caagttcttc cacatgaaca 420
 tgtaccggtg caaggacat 439

<210> 25481
 <211> 406
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-H5

<400> 25481

gggaacatcg tccatccgag ctaagtaatt aggtcgaaaa tgacccgtgc cagcaggagt 60
agcagcagcc ggcgtgtgac gctgggtactg ctcgggtctcc gctgctgct tctgggttgg 120
gttgcgccagg cggtagtggg gttgggtgcct gctgatgata atatcgccgc cgccgctgct 180
ggcacggcgg tggacgatgg cgagccgnet cagcagtgcg cgacccccggg gagcggttgag 240
gaggcggtgcc gcggcgcggt cgagacgcac gccggcggtg gctacgacca ctgcatggcg 300
tcgttggccg ccgacccgcg cagcaaggag gccggcaaca ggaccatgca cggcctggcg 360
gtgctggcca ccagaatggc catcgaccac gccgccagca ccgagt 406

<210> 25482
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-H6

<400> 25482

ctcatcgttc tcccaaattc gagagcgttc ccaggacctt gggttcttga gatccagccc 60
caggatggat ccgaacccta gagctcccct cctcctcgcc atcgctcgttc tcgcgcttgg 120
cgtatccgtg gtggccagcg ccgaggacga cgcgtcgggg gtctctctgg gccgccgcgc 180
cgggggggttc ttgcacggcc tgaagaagga tgcactggcg gagggcgatc atggggtggc 240
actagacgag gttggaccgg ggctgttcga cgcactcttt gccagcctct ccatgatact 300
agtcagtgag attggagatg agaccttcac cattgctgcg ctgatggcga tgcggcacc 360
caagtcaatt gtgttgtctg gtgcactatc tgcgctntat gtgatgacag tattgtcaac 420
t 421

<210> 25483
<211> 335
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H8

<400> 25483

gcataagctc tctataaata ctgatgagct atctgctgtt tcatgagcgt ctgacatagc 60

catatgttta ctggactggc catgatatta cctgggctag gctttgaccg tcccattctt 120

gttggaccgc ctggatgggc aagaatgggc acccaggttt gcagctctga tgcttaccga 180

tcgctggact tcgtgcttga catggcaggc cgtgacgaag caaatctgtg gtcaggggac 240

gactctagct aagtggacga ataccctctg catgatcagc aggcccagtt cctcgtgtac 300

gagagctcat gtttactaca taggcccgtc gacag 335

<210> 25484

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H9

<400> 25484

aaaaaaaaa aataaaaaaa aaaaaaaatt aaaataaaaa aaaaaaaaaa aaaaaaggag 60

gaaaaattta taaaaaaaaa tacattcata taatcatact tttcacctac ttctttacta 120

cttcttacca actcttttct tttctttggc gtcactctaa tccatttttt tgtctgttac 180

ttttcaactt cttccatttt actacccttg cttttatccc actttactga ttttctgctt 240

ttgccttttt gccaacctct cgtactcttt attcactoct gacaagccta ccttcctaac 300

agtcctcttc ctttaatgct taatttgcct catccttttc cttctctttt atccctgcat 360

ttattttatt tactcccacc tttacttttt ctcttttcat ttcttttact cccttttt 418

<210> 25485

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A1

<400> 25485

gtctctcggt gccacatag atatgtttcc atgggttctta gattcttctc tatgtttgca 60

gataagatca atgcataaat gggagaaggc cagtttggat ggccatgtct tctgaaataa 120

ttgattaaac tcgcgtttgg catgctgtgc aacacatgca gcaggttatg tttgtaacga 180

atgtgtctgg aatacattag gtacctttgg tcagggtgtg gagtggtggg acaaggaaag 240
gaaagaaatg gtggctatca aaatcattag gggcattaaa aagtacaggg atgctgcaat 300
gatcgaaatt ggcattgctg agcagcttgg taaatatgat gaaagtagat ctaggtgagt 360
ttgctgggtc ggttaacacc cttctgtatg ctttacattc ataagattgc ttgcatata 419

<210> 25486
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A10

<400> 25486

gatggttcta atgttctgac taatgaacag ctggatgctt atgtagtgaa ccctgtgact 60
tggtaagac caactattca gcattctcga tgtttcacca agttgtgcat atattggtac 120
aaatacaaag gtttcagtta ctggtacatt cttggtgaat aaagaacatg tggaaagtca 180
cagggtggtca tgtatgtttg gggatgttga agtaccagct gaggttttga ccgatggcac 240
cctacgctgc tatgcaccag ctcaccaatc aggaagagtt ccattttatg taacctgttc 300
aaacaggggtg gcttgtagtg aagtgcgaga atttgagtat cgcgattctg aagctcatta 360
catggagact tctcgttccc aagccaatgg tgtaaataaa atgcatctac acattcagct 420
tgagaagcta ctcactttg 439

<210> 25487
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A11

<400> 25487

cccactcgtt cgcccacgcg tccgcccact cgttcgcca ctcgttcgcc cacgcgtccg 60
gccacgcgtc cgggaggagg tgggtggtgt ggatatgggg ggtcgtcagg atacggtggt 120
gcttatggtg gcggcggcag cagcggctat ggtggtggtc agagtacgag ttcttgggac 180
tgaactgaat tctggttaga agtgaaaaat gggtaaacct gttgggtgtg aaaaatgggt 240
caaccgttat cgattagtcc ctgttggtat gagcgaatgc ctgaaatttg ttgcttgact 300

tgcgagtacg gtgtcaggag gtttcccagt gccttaatct tgcattttgt gttgtactag 360
 ggattgctta tgttattatc tgaattgggtg gtttcttttc tacgc 405

<210> 25488
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A12

<400> 25488

tcggactcgc gtacatcgag agatgcgtcc ctttgttacc ttagttgaaa attcagtggc 60
 gctgggggtat gtcgtgattc tatcgttagt tttctgctaa atcaacttaa tgattgatct 120
 taattatgta tggttgaggt gagagatcga ccatattagt tctctgtacg tagtgaccga 180
 tctcgtatga ggacactata tgccagtttt actgtgatta ttgatatgat cctcatgtaa 240
 tcgatcgaca tttagctcga tctgggaagg cgagaattat ggaggacgtg caatcgatca 300
 cagttcgcgt ccaatgatag cgtgctagat tccggcattt cacagtgata ctcatacatc 360
 ttgcgatcga tctccagata atgcaccttg atctc 395

<210> 25489
 <211> 218
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A2

<400> 25489

tcccactcgt tcgtgttgat gctgtaaaaa aataaatatt aaaaaataa aaataaaaaa 60
 acaggtaaaa tcaataaaat aaataacaaa aagaaaaatt taaatattca tatattataa 120
 actaatacat taaactctct attttacata ctgtactaca catacatgta cttatatattt 180
 taactaatct ccctgtacta cattacttac ctcttgtc 218

<210> 25490
 <211> 421
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-051-Q1-K1-G9

<400> 25490

acccacgcgt ccgctttctt cgaacgcaaa aagaacccca cccgacgtac cgcgagccgg 60
 cgatggcgac ggtggcgatg gacatctcga agcccacgcc ggcagcgctcc ggtgacgaag 120
 tagcggcggc ggcgaagggg aggagcggcg gcggggcgga ggggctgcgg cagtactacc 180
 tgcagcacat ccatgacctg cagctccaga tccggcagaa gaccataac ctcaaccgcc 240
 tcgaggccca gcgcaacgac ctcaactccc gagttagaat gctcagggaag gagttgcagt 300
 tgcttcaaga gcctggctca tatgttggtg aggtggtgaa ggtcatggng aaatcaaagg 360
 ttctggtgaa ggtacatccc gaaggcaaac atgtggtgga tatagataag agcattgata 420
 t 421

<210> 25491
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F4

<400> 25491

cccacgcgtc cgcccacgcg tccgcccacg cgtccgaaga aacctcatgg aacctggtga 60
 taataatact tccaatgctg ctgctgctgc tgctgcttcc agtagtgcaa ctgcttctcg 120
 gacaatcaca gtggacgatt ctttgccatc aacctccctc caaatcaggt tcgcagacgg 180
 cagtcgcttg gttgcccggt tcaacacaag ccacaggatt agtgacgtgc gggcatttat 240
 cgacgcgaca aggccaggag ccagtgatta cacgctgcag gccggggtcc ccccaaagcc 300
 gcttgaagac acggccaaga ccatcgagga agccggcgctg gccaaactcg taatcattca 360
 gtcagtctag cttggcagaa caggtgccgc aacctattc catcgaacac gctaggcatc 420

<210> 25492
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F5

<400> 25492

aacagaacgc cggctcgctc ctgcgcgtgc gtcgcctctc cgggtggcgcc agccagcacc 60

atcgtcacca ctcttccccg gctgaggtcg tgggctgtc cactgcgtgg ctcgtaagg 120
 ggctttcatg cgtctgcgcg cagaggagg agagcgacgt gcgcctgtcc ttcgatttga 180
 gtcccattca ggaagagtgc ttgaataggt tgcagaaccg gatagaggtg cagtatgatg 240
 gttcaaactt ggagcatcag aaagcactgg aagccctttg gcgttcttct tttcctggaa 300
 ctgaacttct agggctagta tcagaccagt ggaaagagaa tggatggcaa cgtaaagatc 360
 catctacaga tttcaggggc ggcggttta tatctttgga g 401

<210> 25493
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F6

<400> 25493

cgccacgcgt ccgccacgc gtctgcttac gcgtgggcgg acgcgtggga tgcgaagacc 60
 agttttctac cctaaacaca agaaccaga tgcataataa aaggtgaaag ctagcagaag 120
 aggtacctaa ctctacccta ctatagagaa aaagtcagca cattgcaagc aataataatg 180
 gagacgacga cgaagctccg gtggagccgg cccggctcct tcctcctcgt cgccgcggcg 240
 ttcctggcgt ccgcgcgcgc atcgggcgtc aacgtcagcc agttcgacga ccacttgacg 300
 aagcggacag agctcgccga ggcgtcggcg agggaggcgt acaggcccg cccgtacaac 360
 gtcaccaaca gtttcaacgc cggcgccac agagctgtca acagcagtcg gcgtgagatg 420

<210> 25494
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F7

<400> 25494

attgcatgcg gagtcttcaa ggggatttca gctggcactc atgcattcaa gtaaaggctc 60
 caattcgaga taccggtgcg tttcaataag caggttcaac agtatctttc gttaaaaaaa 120
 acagctctgc ttttcgggcg gctgctatgt cgcactgcac agtgtggcgt agcgcagcga 180
 tggcaagcta atgcctaaga aaaaaacata cgtgcatata gaaaccactg atattagtgt 240

agacgctgac aacctacgga gaaatttgta atggcagttc agggatgtaa atcttttttac 300
gaggcaacag gtcacagttc ttattgtctg gtagtgatag cagtgtgcgc atttcaatat 360
attctctgat ggaattgtct tgggggttg 388

<210> 25495
<211> 60
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F8

<400> 25495

aaaaaaaaa aaaaaaaaaa aaaaaataaa aaaaaaaaaa aaaaaaaaaa aaggagaagg 60

<210> 25496
<211> 386
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-F9

<400> 25496

cccacgcgtc cgcccacgcg tccggatcgc caataatgga gtttccgcac caccggcagc 60
accacggcca tcgccgcgac gacgacgaag acgaccgcag aggcccgctt tccccgtctt 120
acggcggtta cggccagnca ccgccacccg acccgctccg cgccccgccc gtcaacccccg 180
atccgtacgg tcgacctcgc cccagtcgcg cgtacgggtg ggccggggac gcctacggcc 240
acagcggtta aggctacgcg cccccgccg cctacgggcg cgggggcggg tacggcaacg 300
tcgtccacgt cgggcacaag gtcggcaaca agaggcctta ctacggcggc ggcggcggcg 360
gtcttggtgg cgcctacgga gcgcgg 386

<210> 25497
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-G1

<400> 25497

aggtctgact ggaacagcac gttatgctag tgtgaatact catcttgga tagaacggag 60
 gaggagagat gatctggagt ctgttggcta tcttctgcta ttttttttaa gaggaagcct 120
 cccatggcag ggccttaaag ctggcactaa gaaacaaaag tatgataaaa ttagtgaaaa 180
 gaaaatgctt acctcggcag agattctgtg caaatcttac ccgccggagt tcgtctcata 240
 tttccactat tgctgctccc tgcgatttga agacaggcca gattactctt caatgaagaa 300
 gctctttcgt gatgtattta tacgggaagg ataccaattt gattacgtat ttgactggac 360
 tgcactcaag taccctcaaa tgggctcaa caacaagctt gttcaacaac caagtgc 417

<210> 25498
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-G10

<400> 25498

cggacgcgtg ggcggacgcg tgggcgattc catttctacc ccgagacctc cagcgcggcg 60
 cccctgaacc ctcagccttc tccgtcccgc ctcggcactc gacggccgcc ggcacacacc 120
 gcgcagtctc gagacaggaa ccggaggaaac gaggatggag gatgactcgc cgctgacgaa 180
 gacgatgaag ggtgcggtga caggactcgc cgcggggacc atctggggca ccgtcgtcgc 240
 cacctggtac gacgtgcccc gtgtggagcg ccacgtcgcg ctccctggcc ttatccggac 300
 gctcaagatg tgcggcacct acggggccac cttcgccacc atcgggggcc tctacatcgg 360
 cgtcgagcag ctcgtgcaga gccagcgcaa gaagcgcgac ttcgtcaacg gggccgtcgg 420
 cg 422

<210> 25499
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-G11

<400> 25499

ggcgtacttg cgtttgccgt ctcttccctg ctgccgtctc tgtccggagg gcaagccatg 60
 gcggcgggcg gggacggcgt cgctcgccag gcggagctcc gccggatcga gggcaacatc 120

tgcttcaaga aggcgcgcct cggcgccgcc atcgactgct acaccgaggc aattgcgctc 180
 tgccccgacg tcgccgtcta ctggatcaat cgggccctat gccatttcaa gcgcaaggag 240
 tgggccaagg tcgaagagga cagcaggagg gctcttgccg ttgattacac tttagtcaag 300
 gggcactatc tgctgggggtg tgcgctactc gagaaggaag aatctgctct tgctatcaag 360
 gaattcgaaa aggctctaac tctcttaaag tctgtggatt caacgtatga aatggctg 418

<210> 25500
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-G12
 <400> 25500

gccaccaggc ggctgccata cgattcaccg cgcacgtaac atgagaacag cgaaaacgaa 60
 gatgcttccc cggggcggcag cggacgagga gacgagagag ggagagatgg ggccggacct 120
 cctgggaactt ggcttgctgc cgccgccgat ggccggcggc ggccacggag gtggttcagc 180
 ggcgcatcag aagacgggat tcgacgagcc cctacgtttc gccgctgacg cccctttgcc 240
 ggtgcgcgct tgcgtgcgcc cgcggccccc gcccggtggac gtggacgacg gcgtcgtccc 300
 tgcagcacct ccggcgagca tngccgaagc cgccgcgctc tcgacggcac ggtgggcgcc 360
 agctgagctg gcgtcgtccc cgacgaagct cggttctttc agggagatct 410

<210> 25501
 <211> 423
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-G2
 <400> 25501

cacgacgcgt accaggtcgt gtaccggatc aacgtcgggtg ggcccgccat cggccgcgcg 60
 gaggacacgc tgggccggcg ctgggagagc gacgcggcgt acgtgcagtc caaggaggcg 120
 gtgaaggacg tgctcgtgcc caccagcacc atcaagttcc ccgacggcac gtcacggctg 180
 gtggcgcccg cgctggtgta cgccagcgcc gcgaagatgg cggacgccga cgtggcgagc 240

cccaacttca acctgacgtg gaaggtggac gtggacgctg ncttcagcta cctgggtccgc 300
ctcttcttcg ccgacatcgt gagcaaggcc accaacgacc tctacttcga cgtgtacctc 360
agcgggcgca aggccgtgtc cgggctggac ctgtcgacgg tggccggcgg cgagctggcg 420
gcg 423

<210> 25502
<211> 189
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-G3

<400> 25502

cggacgctg ggaaaaaaaa aaaaaataaa aaaaaaaaaa aaaaaaaaaa aaaaagagaa 60
agcaaaaaaa aaaaaaaagg acatacaaat ctaaaggaat ccaaaaacttg ggtacccgtt 120
cttgcgattc catacttatt ttatcgtgct tcctacatca aatttattgt ctgggggtttc 180
ccaacttca 189

<210> 25503
<211> 422
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-G4

<400> 25503

gggcacggag atggagagag cggccccgt gaggagctcc cacacctcga cggctggcct 60
gctcgcgtgg cctcaccccg atggcgccgg gtcgctgcca gcacgccggc ctaaccagcc 120
gacggaggaa ttcaggaatg tgggtgtttgg ggggcagctc acggaggggg cgcacggcct 180
caacaagacg aagaggaaga cgggctcctc gcccaagggg aaggagacaa cagggaccgg 240
gatatccaag gccgagagcg ccgtcgctcgn cgtcgcaact gcctcccgtg atcgtcaggc 300
tagccagatc accttttccc aggacgggac cgttcctacc aggaaggcaa cttcagtggc 360
tgggggtggca aggcagcgtg agcttagcca taccgtcgag agtgaggggg acagtaagat 420
ga 422

<210> 25504
 <211> 379
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-G5

 <400> 25504

 cggacgcgtg ggctagatcg cgcgccgccc tttttttttt tttttttttt tggttgtttt 60
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt tttttttttt aaaaaaaaaa aattaaaaaa atattaaatt ttaatttaaa 180
 aaaaaaaaat ttttaaatat aaaaattttt aaaaaaaaaa aatttaaaaa ttaaataaaa 240
 aaaacttttt tttaaaatga aataaaaacg ggaaaaaaa caccagga aaaaatcccc 300
 aaaaaaaaaa agtataagga aaaaaaat ttttaaaaaa cttttaaaaa acctctaaaa 360
 aaaatttttt tatatgggg 379

<210> 25505
 <211> 377
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-G6

 <400> 25505

 gccgacgtgg ccgccgagct ccggagcagg gccggggtgc ccgtcttcgt gatgggtgccg 60
 ctcgacaccg tgcgcaagga cggcaactcg ctcaaccggc gcaaggccgt ggaggccagc 120
 ctggcggcgc tcaagagcgc cggggtggag ggcacatgg tggacgtctg gtggggcatc 180
 gccgaggccg acgggcccgg gcagtacaac ttcaacgggt acatggagct catggagatg 240
 gccagaaga ccggggtcaa ggtccaggcc gtcattgct tccaccagt cggcggcaac 300
 gtcggtgatt cagtcacat accacttccg ggatgggtct tggaggagat ggacaaggac 360
 caggacctgg cctacac 377

<210> 25506
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-G7

<400> 25506

cccacgcgtc cgccgccctt tttttttttt tttttttttt tttttttttt tggtttgaag 60
tagtagagat atatatatat attctgcaag aaacaagatg cttagctgga acgcaataga 120
atatggaaaa gtgaaacgga agaagaatgc atgcaaatgc aaggatcatg atcagacgag 180
gcaatccagg gcctggaggc tccccaggag gttgatgggt aacttgccag atgcacccaa 240
cagaaagaag attcttagcg tgatactagc aaaagaagat ttggcagatg atgtagatct 300
ggaggcgcta gcaaacctga cagatgggta ttcaggcagt gatctgaaga acctgtgtat 360
aactgcagca catcgtecca taagggaat tcttgaaaga gagaagaagg agag 414

<210> 25507

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F3

<400> 25507

cccacgcgtc cgcccacgcg tccggtgaaa caccactac tatatcaggc tttcaggggc 60
atgactgtga attggtgatg tcagattaat atacagggtta gttgcttggt tctaggtaac 120
cagagggtgtg gtttacaaca ccaaaatgct agaggagccg atacaaacat tttagtttaa 180
tttctacatc tattaggcct tttgtttttt gaatgagatg tgcagtgttg attgcggcac 240
atacttagaa gtgttccaac ataagctgga attctgtcat acggaaggat aaacttgtat 300
accaagggaa tgctgtatta ttatctttgc ccatttatgg ctacattagc ttgcttgttt 360
ctattctctt taaccatttc atctgtatac tagacagttg cttgacttac tattcaaa 418

<210> 25508

<211> 227

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D9

<400> 25508

tttactactt ttatatTTTT cttaccaata ttaatttttt ttttttctat tacggggggg 60
cagctgggat taatcccacc tcaattgcat gtttcaacca tctccgaac aaccaccgca 120

tgaatctgtc tttcccacaa cacttcctgt ccacacagat ctccaagagc agcttggaga 180
ccgacaattt cgctagcaat ccatactat acaagcccg t ccgaaca 227

<210> 25509
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E1

<400> 25509

cgcgcatggg gctcgccggg gacgggtcgg cggacaccgc ccacctcagt aataatgaaa 60
atgggcggtt cgtttatgga gttgaggtt ctcttggtta aagagcatcg atggaggact 120
tctatgaggg aagaatagac gacgttgatg gagagaaaat tggaatgttc ggtgtatatg 180
atggtcatgg aggagtccga gcagctgagt atgttaagca gcaccttttc agcaatttaa 240
tcaaacaccc aaagttcatc actgatacca aggctgctat cgccgaaact tacaacctca 300
cagattcaga atttctgaaa gctgatagct gtcaaactcg agatgctggc tcaactgcct 360
caacagctat tattgtaggt gaccgtttgc ttgttgcaaa tgttgagat tctagagccg 420
ttattttct 428

<210> 25510
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E10

<400> 25510

cccacgcgtc cgcccacgcg tccgcccacg cgccgcgct cctgcgcgcg ccgtgcgac 60
cggtcaccgg ccggggaggg ctcaaaaacc ttcatccaa tacatacatc tatctgagcc 120
ctttcccgcg gtgaggcccg accggagtcc acacacacac acacacgggtg tcgatggcgg 180
ccgtaataag gagccgcgcg gtgtccgttg tctttctacgt cgtcctcgcc gcagctgcag 240
ccgcggcgca ggcattcaat aacgtcacct gcgacgagga ttactgggcg gagcgcgcgcg 300
agggtggctcg gtcgcgcaac ctcgccgact acgtcagcga ccccgaggcc gccacgaacc 360
gtttcaacgc ggacgtgctg agggccacga cgcggcgggc gctggcgagg tacgatggcc 420

c

421

<210> 25511
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E11

<400> 25511

cggcgcgtgg gcggacgcgt gggggaggcc gccgcgcca tgctcacctt cgaggcgggc 60
aagacgtacc gcctccgcgt gtgcaacacc gggatcaagg cgtcgctcaa cttccgcata 120
cagggccacg acatgaagct cgtggagctg gagggctcac ataccctgc aggacgtgta 180
cgactcgtg gacgtgcacg tcggccactg cttttccgtg ctggtcgacg ccgaccaggc 240
gcccggcgac tactacatgg tggcctccac gcggttcata cagcagcca agtccgcctc 300
cgccgtaatc cgttacgccg gttccagcgg cgccccgccg gggcccaaca tgaccgagcc 360
accggccggt tgggcctggt ccatcaacca ggccaggctc ttccgttgga acctgacggc 420

c

421

<210> 25512
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E2

<400> 25512

ggagttcaga accatcagag catgcctctt ctttggcatg ggtgcatctg gcgtgagacc 60
tgttcttcac aagctagtac tcttctggca ccaaccggag gcattgcaca cgaccggata 120
cgaaattctg atggggctct tctacgggct gggagcattg gtatatgcgg cacgggtacc 180
tgagcgctgg atgcctggga agtttgacat cgccgggcac agccaccagc tgttccacgt 240
cttggttggt gccggagcct acacacacta ccacgcaagg cttgtgtacc tcaagtggag 300
agacctgcaa ggctgctgaa aggtactgca tcgttgagga tgtggataga ttgtagattc 360
cgtgaattca ggctgaaggt catggtctgt tgtaaattgt aacagtaatc atgaaacaat 420

tg

422

<210> 25513
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E3

<400> 25513

gccggcctct acgacgagat cgtcatggtc cccaaggaca aggtcaacat cttcgtgtac 60
ggcgacgggc ctaagcaaag ccgcgtgacc ggccgaaga gtttcgccga cgcatcacc 120
accatgaaga ccgccacctt ctccgtcgag gcgtccgggt tcattctgcaa gaacatgggg 180
ttccacaaca cggccggcgc ggagcggcac caggcgggtg cgctccgggt gcagggggac 240
ctcggggcgt tctacaactg ccggttcgac gcgttcagg acacgctgta cgtgcacgcg 300
cggcggcagt tcttcgcaa ctgcgtggtc tccggcacca tcgacttcat cttcggcaac 360
tcggcggcgg tgttcagaa ctgcctcatc atcacgcggc ggcccatgga caaccagcag 420
a 421

<210> 25514
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E4

<400> 25514

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccgcc cacgcggccg 60
cgcacattcc gaagtggagg cattaatgta gatcatatcg ctttcgatcc aaaggagacc 120
aaccgctttg ttgctaccga ttgcttgat ggcaaagtga tgatttgag cctcgactct 180
cccgaacctg aatatcatct gcctaagacg gattttaagg gtatcatgtt cctggaattc 240
ttcacacggt atggtcggca gtgtttgatt attgctcatg aagatcataa agcacacgta 300
tgggactttc ggttgcgcaa atttgtttct gagaagcgaa aattattatc tcgtgaagct 360
tctgtcttct tacgtcctaa tgtatcgta ctacttacac cttcatctaa aggcact 417

<210> 25515
<211> 413

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-E5

 <400> 25515

 cccacgcgtc cggcagcatg aagatcaagg tggtcgctcc tccagagagg aagtacagtg 60
 tctggatcgg aggatccatc ctggcatccc tcagcacctt ccagcagatg tggatcgcca 120
 aggccgagta cgacgagtcc ggcccatcca tcgtccacag gaaatgcttc taattctttg 180
 ggcccagaaa atgcaagccg tgggggagcc gttaccgcgc ccagcctctc ctgcccccg 240
 tttcgttgcc gtttcttcat tagcgcgaac aaagttttgt gccggtctat cggccgccc 300
 tttcctcccc tattcatcaa gactgcaata actgtcgcta cctatgcttc tcacctgtga 360
 tttttggaca caatatgtta aggtccattc aattctaata agacgcctga tga 413

<210> 25516
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-E7

 <400> 25516

 caccacaaga tggcgtgcac aaacaatgcg atgagagcct tgttcctcct ggtccgcttc 60
 tgcacgtgac atggtgagaa ggaagagtca aagggcacgc atgcgaaagc gtccaggcct 120
 ggtgggtcct tcgacatcac caagttgggc gcctccggca atggcaagac agacagcacg 180
 aaggctgtgc aggaggcatg ggcatcggcg tgcggcggca ctgggaagca gacaatcctc 240
 ataccaagg gtgacttcct tgtcggacaa ctcaacttca caggcccttg caaggcgac 300
 gtgaccatcc aggtggatgg caatctgctg gcgaccacgg acctaagcca gtacaaggac 360
 catggtaatt ggatcgagat tctacgtgtg gataacctgg tcatcaccgg caaggg 416

<210> 25517
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-E8

 <400> 25517

acgacctccg tgctccggcg atgcagcgga tttcgctacg acttctgcgc tggctgtaca 60
 ccgcgcctc cgctccctc tccaccacct cctcctccct ccgcggcctg gcagtatccc 120
 atggcggttg gaccacccga ccgtcgtgc agcctccggt gcgaaccgcg gcgcgggtcg 180
 aactcaccag gtggccgccc cgagggggtt actcccagtt cgcgagcggg ttcaccccg 240
 tgaagccgaa gccgctggga tccatcctcg acatcgaacg cgccaagggc ctctcccccg 300
 accacctcgt cgccgcatgg gatgactatc atttaggaag gggtcataata ggtgcatcta 360
 tgaaagcaaa actttaccat ctcttggaac aaagatcagc ttcatgcc 408

<210> 25518
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-E9
 <400> 25518

gtgctgaacc acatggagca cgaactgttt gctgttgacg ctgttatggc tgggctagca 60
 atactcggat tcttgttctc cgtactgggg ttgcggtttc ttgtctccct actggtgatc 120
 gctgcttggg tcctttctac caataccatc atcagttctg gtcttttccct cctcttgac 180
 aacgtggtgg cggacacgtg cgtcgcgatg ggcgattggg tggcgacccc gcaggcgac 240
 acggcgctgg acgacatcct cccgtgcgtg gacgtggcca cggcgaacga gtcgctgtac 300
 cggagccagg aggtgacgtc gcagctggtg gcgctggtga acaacgtcgt cgtcaacatc 360
 tctaaccgga acttcccgcc ggggctccgn ccgctctact tcaaccagtc 410

<210> 25519
 <211> 418
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-F1
 <400> 25519

ctcgaagccg aaggcctcgt gccttctctt cctccctggc atggaggaag tagctggttc 60
 gcctatgatc gttgccgccc tagtgctgga caacaatggc gctgacgcgg tctcctgcac 120

tgccatccct agcgtaacaa taagcctaga ggagaaagaa aatatcaatg gggatgttcc 180
cacgatcacc tcggccgcaa gcaacgagga ggaggcggtt ttcagtgtcg gagaatccac 240
caaggacgat ggccatcgct tgacgatgga atgctccact cccgtctnct ccagtagccc 300
ttccactcgc aagaagcgcg gggcggttcag cctcttcagg gcgatgttcc tgtccttcgg 360
ccggagcgac gacagcatga agaagacaga cgacgacacc acgagcccca agaagaga 418

<210> 25520
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F10

<400> 25520

cggcgcgtgg gcggacgcgt ggggtggagg caggcgacat ggggtggcggg aaggacgacg 60
gccacgatcc ctccaaggcg gacaagggat tccacggagg agggtagccg gccgccgccc 120
gtggatacta cggcggccag taccggcgcg gcggctaccc tgctccaccg ggccggcggtg 180
cgtaccctcc cggccctggg taccgggtac cacctgggtg gtaccgcct cgggtgggt 240
accctcagcc tggcgggatac ccggcgctcg acggggcgta cccggcgccg ggtgcaggcg 300
cgtatcctcc cagcgggtac cccatcaac cgggtctacc acagcctggc tatccatcga 360
tgcccggtca tgggtggcatg tacggaggag gccacgggtg agggggctct gcaggccacg 420
g 421

<210> 25521
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F11

<400> 25521

cggacgcgtg ggtgcaagag gaggaattag aatctgcaat atccctttgt agtgcgttgg 60
agttccttaa tgtgcattct tgtccaaaga tcaatgcttt ggattttggc agactccgtt 120
tgggttgccc cagtctgaag cgcattccaga gcagcctcat ctcataatac agaggctgct 180
accatataaa ggaggggaat tcatgcaata agccgctgct cagatttgaa gaaaaaaca 240

aggggatggtt tggtttctag ggactaattt ttagtcccta cattttattc taatttagtc 300
tctaaattgc taaatatgga aactaaaact ctatttttagt ttctgtattt ggcaatttag 360
gaactaaaat ggaataaaaa tatagggact aaaagtttagt ccctagaatc caaacacc 418

<210> 25522
<211> 417
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-F2

<400> 25522

ggcagcaggc ccgcagccaa gagccaacgt tgccacgcag gagaatatca gtgcgcgcag 60
gaactggctc taagcgtctt gcgcctccaa gaacgcgtgg aactccgccc tggccctcgc 120
cagacgcggc gtgatgcacg gcgatgatgg gcacgacgac gacgacgacg catccgccgc 180
cgccaccgtc gagaacctca cgtgcctctg cgaagacgtc gacgccctgg ccgagtcgag 240
ccgcgacgat gccgagttct tcagtatccc cttcttcgcc gcgggtggtt cgccgtcgaa 300
cacgaacgcc atcttgaccg gcgcctccgc gtcgtcatcc gcgcagctgg tcttggccac 360
ctnctcgcg tggcagtcga cggcgtcgtg ctgcgcggcc acatgcggcg gcggaag 417

<210> 25523
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D8

<400> 25523

aaagaggtta tcagggaaaa tgatatatta tacttcataa tggaatacat ggagtgtaat 60
ctctatcaac ttatgaaaga aagggtcaag cctttctccg agtctgaagt ccgcaactgg 120
tgttttcaga tatttcaggc tcttgcatat atgcaccaga ggggctactt tcatcgtgac 180
ctcaaacctg agaatctggt ggttagcaaa ggtgtcataa agctagcaga ctttgggtctt 240
gcaagggaag tctcatcatt gccaccatat acagaatatg tctcaactcg ctggtatcgg 300
gcaccagaag tcttgctcca gtcactctgt tatgattctg cagttgatat gtgggcaatg 360

ggtgccataa tggctgagct gttgacactc catcctctct ttcttggaac cagtga 416

<210> 25524
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C2

<400> 25524

cgaaattggt cgatattatt gactgctttg ttgtgctgta ccacaggcat ctggagtatg 60
ttgatgggtc ataaaaatat gaatttggtc catattattg cctactttgt tgtgcagtat 120
cgcaggcagc tggatcttga gcgaccttac acaaaaaaga aagagggttag tatatattga 180
tgatataatc taaacaagag ctactcgact taacttaagt ttcggcggat gggtagcttg 240
attcttcgtg tggctctaata gaaagaaaat agttgcatca aaattaatta gggctctaata 300
gacagctatt tctaattggt tcagttacgt tattacttag ttctctgtat ttcctatttg 360
tttcaactgag atcaaaattt tgatatgtaa ttccattttt ttctattaga tccttactta 420
cta 423

<210> 25525
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C3

<400> 25525

gccacgagga ggacatctgc caggtggtgc tgggtggccag cccgcgcaag gactgcgacg 60
aggtccaggc gctcagggac cgcgccggcg tctgtctcac caggaacgtt ggcatctccg 120
acagcctgcg ccccgccaac ccgctaggct atttcaagga cgtgccgctc cccgtctgcg 180
ccgcgctgct caagcagctg gactcggacg acgacgacga ccagtaaact ataccacggc 240
ggcgtcgcgg acatgctgca caaaactaca acgatacaga gcgaacgcat ggcatggata 300
gcagtatcta cggaagaaa aggaagaaaa ggaaaataaa aaatgtatca gagtgcttga 360
ttcaattgct gctgtcacc attccccgtt cttaacataa catgtggggc ggct 414

<210> 25526

<211> 419
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-C4

 <400> 25526

 cccacgcgtc cgccacgcg tccgccacg cgtccgtcgc cgcgccatga cgatggcgat 60
 agccgccttg ctctgcctgc tcctcttctc tggcgtctc gccgcggcgg agaagacttt 120
 ccgcggaggt ggaggcggag gctacggcgg gttggaggcc tgtggcggag gcggcggcgg 180
 ctattccacc ccgagcggag cggcgccatc cacgcctgcc gctggggaga cgactacccc 240
 ttcgtcaggc ggcggttact ccactcctag cgtggcggcg ccatccacgc ctgccgctga 300
 ggagacgacg acgactcctt cgtcaggcgg cgggggttac ggcggtgcaa ccggcaaggc 360
 ttcttcaggc ggcggcggac tggaccccga cggcgaccca gaggttgggc tgaacggga 419

<210> 25527
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-C5

 <400> 25527

 agaccagcag cagggaaacat cgtccatccg agctaagtaa ttaggtcgaa aatgacccgt 60
 gccagcagca gtagcagcag ccggcgtgtg acgctgggtac tgctcgggtct ccgcctgctg 120
 cttctggttg gtgttgcgca ggcggtagtg gagttgggtgc ctgctgatga taatatcgcc 180
 gccgccgctg ctggcacggc ggtggacgat ggcgagccgc ctcagcagtg cgcgaccccc 240
 gtgagcgtgg aggaggcgtg ccgcggcgcg tccgagacgc acgccggcgt ggcctacgac 300
 cactgcatgg cgtcgctggg cggcgacccg cgcagcaagg aggcgggcaa caagaacatg 360
 cacgggctgg cggtgctggc caccaggatg gccatcgacc acgccgncag caccg 415

<210> 25528
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-C6

<400> 25528

cggacgcgtg ggccatggcc tcctcataga ataagctcta tctcacgca ggaacgcctc 60

attacaatcc ttcaagagag cagcactaca ctacactaca ttagagagag gtcgagcgcc 120

cctcctccga tccgcgggcc cgccgagagc tagctgctga tcggtcgagg agagtcatgg 180

cgacgtcgac gatgcgcgtt gccgcggcg tgctgctggt cgtgtcggcg ctggcgacct 240

tggcccgggc cgaggacccc tacctgttct tcgagtggaa ggtgacgtac gggaccaggt 300

ccctgctggg agtgccccag aaggtcatcc tcatcaacgg cgagttccct ggccccagga 360

tcaactgctc ctccaacaac aacatcgctg tcaacgtctt caaccagctc gacct 416

<210> 25529

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C7

<400> 25529

gagctgcaat ggaaagtga tctatctgag ggaccacatg tgggtgaaaa tgagaaccgg 60

ttatctggcg gtggtctagg ctatcctttc tatgtcactg tccttcaagg tgtctaagta 120

attatcagga ttcaagaagt accttcttga gcgtcaatat agaccagtgc aaaactcagg 180

aactacaccc aattgcaacg ggccgatgat aataggtgcc agccagtcca gtttgtgcaa 240

agatctgccc cggtagtctc ctgactgaat atacttggat acgctcatgg ttctgcttcg 300

gtaccgatat atttacacgt ctttttgaag gatgacttct ggtgagtaca tgtatacaat 360

tgtcgtggg aacaaaaact aacggtaatt gctggtggat ttttggcaga cagaat 416

<210> 25530

<211> 160

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C9

<400> 25530

tggagactta gatctccaaa cactcgtaac tctctacta ggtggtgaca tcgggccgga 60

aaaacattta tggatcataga gtctgccctt cgtttgtcag tcgggcaatt tttcttgcac 120

acaatgcctt cgtttaagta tcggatgagt tgctgcgact 160

<210> 25531
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D1

<400> 25531

ctgccaccct acagcggcat gacggcgtgt ggcaacgtcc ccatcttcaa ggacgggaag 60
ggttgcggt catgctatga ggtgagatgc aaggaaaaac ctgagtgtc gggcaatcca 120
gtcacggtgt acatcactga catgaactac gagcctatcg ctccctacca cttcgacttg 180
agcggcaagg ccttcggctc cctggcaaag cccgggctca acgacaagct tcgccactgc 240
ggcatcatgg acgtcgagtt cagaaggggtg cggtgcaagt accccgccgg gcagaagatt 300
gtgttccaca tcgagaaggg ctgcaacccc aactacctgg ccgtgcttgt gaagtttgtg 360
gcgacgacg gtgacatcgt gctgatggaa atccaggaca agttgtcggc tgagtgg 417

<210> 25532
<211> 363
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D10

<400> 25532

cggacgcgtg ggctaaaaaa aatttatggc tgctactgtg ctacatattt ccaagggcaa 60
caggatctca tcaaatttcc aagcaacgac atgaactggg gacaggagca ggaagcgtgg 120
atcgcgaccg gctgcgacgt cgacgcgcgc cgggcggagg tggaggagac gcgcgagcag 180
gctgtccgg cgccggtcga gccgtgcctg tcctcgttcg tggacatgtc ggagatcttc 240
cccgccagcg tcacgctcag cagcggcggc gacgtggaca atagcggcaa caagccagac 300
gaggaaacgg tcccgcgacc gcagctgttg gccacgacgg cgctctggtc ccggacacag 360
aaa 363

<210> 25533
<211> 418

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-D12

 <400> 25533

 cccacgcgtc cgggtggctg ccgccgccgg tgacagcggg cggcgagcta cccttcggcc 60
 acgacgccgt cacgttttcc ttcttgggtg cgtgcgtggc cgccaccgtc gcgcttgctg 120
 cgtccatgtg ctccggcgtg ggccgcaagc caaaggcggc caccaacgcg gaccgcggcc 180
 ggacgggctc ctccgtctcc gatggtagcg acagccagga ggctggcgcg gaggaggcgg 240
 cggtagagga ggaggtgggt aggctgtcgc cggagctggc gatgcacggc gccatcgagc 300
 cggtaggcgt gccgtcgctg acgtcgaggc ggcggtgtc catcagcgtg agcaagaagc 360
 tgagcctgaa tatcccggaac aagctgcggc tgagccggcg ggagcacaag gaccacca 418

<210> 25534
 <211> 424
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-D2

 <400> 25534

 cggacgcgtg gggccagaaa acagttaaatt ggccaatgt aagaccatcg tcgcagcagg 60
 gctcgtggtt gctctcgtgg ttctgacgat ccagccagc gccgatacga acctggaacc 120
 tgcaggaggc tctacggagg gcagtgcccg cacctccggc atgcagaagg aagagacccg 180
 aggcaacaag aagccagcga ccctcgctgg atctcttggg tcaggcaaga atgccatcta 240
 cgggtaaatg attagaagga atcctgcttc ggaaggatat aaaacaatgg ggatgtgctc 300
 aacaatcaat ctcaacccca ggtgacggca atgagtcacc cacaggaatg taaccggata 360
 tagatggaca ttgctcgttc catatttctt ttcatattt tctcttcaa ttcaattgaa 420
 atac 424

<210> 25535
 <211> 422
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-D4

<400> 25535

gctatctttg acaagatgaa aaaggacaag aactcagaaa attcacaagg agaaaggaag 60

gacaatagta tgcatagcgt tgggtgaagg accggacaat caaagagtca aaaccttcac 120

gtgtctcaaa gccgccgtag catgaaagct ccgaattttt ccatgaaaag aggtccttca 180

atggccatga gagctccttc agtagcgatc agagcgccct caatatctct gagaggctct 240

tcaatgtctt tgagagcatc ttctatgtct gtaaaggaag accaaagttc ctcaaacaag 300

tcagatgagg aaacggaatc tgtgttggtg aagctgagcg cacgtcagat cacacttttg 360

ctgtcatcca ttggggtca atcaacatcc cctgaaaata ctctgtgag caatggcttc 420

at 422

<210> 25536

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D5

<400> 25536

gggaacactg aagataataa taggactgag aaaataaatg catctgaagc aggggggtct 60

aaacgctgga gcagggtacc ttctttgect tcatatgtgc catttggtga gctttaccta 120

ttgggagatt catcagtc aa tacactttca gattcagaat actccaagat gacgtcgggtg 180

cagtctgtta tatcggagtt aagagagcgt ttgcagtcgc actcaatgaa gtcctatagg 240

gctagatttc aaaaaatata tgattcatgc atgtgtgcaa atgctcccat ttttactggc 300

attgagcaat tgccacaatt ttcacatcta caagaattaa ttggtctaac agctactgat 360

tctgttgaac ttggagatat cgtggaccct cctgttatcc gaactgctac ttc 413

<210> 25537

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D6

<400> 25537

cccacgcgtc cgcccacgcg tccgcccaca ccttgagacc tgcgttgtca cgcacgcac 60

aaggttgggg cgcacagcag agttcagccg ttctgttcc tgataaaacg agagaaggat 120
ggcagtgtct cagggagctg tcctattctt gtttctctc ctctcgcag cagaggtggg 180
aaccatcgat gccaaaatgg gagtagccat gccatgcat gccttgataa tggagaaagc 240
gaaacagcag gagaaggaga agaaggagga gaaaagcacg gagaaggaag agagtcaatg 300
cttatcgccg agtctccagt tcgagggtt ctgcttcaac agcgacagat gcgccgaggt 360
gtgcatgaag gagagctttc ccggtggcga gtgcaagcgg gacgtggcca tgcgc 415

<210> 25538
<211> 411
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D7

<400> 25538
cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccgat taccaggcgc 60
agcagtatta ccaggcgcag ctgtatttcc agccacagca gcagcagtat tttcagcagc 120
atcaacagac gttggcaatg ccaatgccaa acatgtatca ccaccagtat cagtactctg 180
tgcctacatc tggagcttcg aaccatttg gtgatccttt cagtgcctt gccccaatgg 240
gtgctcctgc aaaacagagc aactcagttt ttctctgaac tgggtgctac ttctgagtct 300
gatcattcaa ttggtagagc agcaaacctg tacagcactt gttccttcgc taagtggagg 360
tgttgatat tgtctttctt ttgcaatatc caaatcttga aatataacat t 411

<210> 25539
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C12

<400> 25539
cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtgggtt cggagagagc 60
gagaaagagg agagagagag ggacgggggc ggggccggcg gaagcggagc ctgcgcccgc 120
cggaccgaat cctcgccgga tcgcccggcc tgccggggcg gcgctgcgga cggcctgac 180
cggctggaat ggcggcgggc cgacgagggg tctagcggag gtgggtgtcg cgcggcaatg 240

gctgcgggcg aggcgcggcg ccggtcagcg gtctgggctc tgctgccgct gctgctgcgg 300
 ctgctccacc cggccgcgct cgtgctggcc aacaccgaag gtgatgcctt gcatagcttg 360
 aggactaact taaatgatcc taataatgtt ctacaaagtt gggatccac tctggtc 417

<210> 25540
 <211> 409
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-051-Q1-K1-A8
 <400> 25540

gtccatgaag gatgatgcgt ctgtggtatt cgcctattac aaggatggtg ccgactaatc 60
 cgacattcct ctatttctct catggtctta aggagatcaa gtgctaggcg tgcggcgaaa 120
 ttagttaccc atgttgggta ctatctatgt actattatta tatccaaaac tatagttgtc 180
 ctggctgaat tgaactcaaa agggtttgtt tgagaaaaaa ttgtcccaa aaaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa acaaaaaaaaa aaataaaaaa aaaagaaaac aaaaaaaaaa 300
 caaactcaca aataacccaa aagacaaaaa aaaaacacac aaaaaaaaaa acacacaaaa 360
 aaaaaagggg ggggcctttt taagggcccc agtttatcat cccgggctt 409

<210> 25541
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-A9
 <400> 25541

cttttctttg cggcgacacg tcaggagag cggcgccgcc cgtggctagg tctttgtcgg 60
 ggcgttcgc cggcgacgag catccgccag gtgccagcc atgtcgtcca atgctggggc 120
 ctccgtcgt cccatcggcg gggcgctgc tcgtgccgc agtcgcagct tcgggagcag 180
 cagcagcaac ggccgggccc ccgacggcaa tggcgctggg gtgttcgtga gggcgnggc 240
 cgacaacgag atgtacgtgc gggcggataa gatcgacctc aagaacctgg acgtgcagct 300
 ggagaagtcg cgggccagg tgtggctgga gcaccagcgg tcgcagcgga cggcgctgcc 360

gcggccggag acgccgctgc tcgagtggga gatcgacctc gccaaagctcg acatccagaa 420
ccagatcgc 429

<210> 25542
<211> 414
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-B1

<400> 25542

ctcaggtttg gggggaaaag gcctcgcggg tcgcaaaccg ctctctgttg atttgggatt 60
tgggaggcgc tcgagttttc aggtaaacca tagtttagtg accaatggct cgtactaagc 120
aaactgctcg caagtccact ggagggaagg ctctaggaa gcaacttgcc accaaggctg 180
ctcgtaagtc tgcaccaca actgggggag taaagaagcc tcacgttac cgccctggaa 240
ctgttgctct tcgtgaaatc cgcaagtatc agaagagcac tgacctgctc ataaggaagc 300
ttccgttcca aaggcttgct aaggagattg cccaggattt caagactgat cttcgtttcc 360
agagccatgc ggtgcttgcg ctgcangagg ctgcggangc gtacctggtg ggtc 414

<210> 25543
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B10

<400> 25543

ggcaaggacc gggccgtcac gtacaattac ggggagcacg acgagcgaca tacgagaccg 60
agcaagcgtc gccgacgcc taccgcttct atgcgatggg agccccgtac gaccatacgc 120
tggacgccac caggctcatt ccgaggacca tgatgacctg gaggtcggtc tggttctggt 180
cccagctgga gtcgtacaat cacgatatcg cctgccacat gcacgtcagc cacctcgagc 240
tcggcaacag gctgtacagc acgctgtcca tgactgtga caagctcagt ggccaggaaac 300
gacgcgatcg gaaacaccct agcaggaac agaccggaag cgcgcacgtg cacgagaaag 360
ccagctgact gcaac 375

<210> 25544
 <211> 279
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-B11

 <400> 25544

 cccacgcgtc cgcccacgcg tccgcccacg cgtccgcaca cgcgttcaac cacgggtggg 60
 gtacattgac ggacgtggta ccccatgtct ccgatcagag ctccgtacaa ttcttagatg 120
 gatatgacaa tgctaatccg tagaaagatg atcaactgta gctaggtctc tttctagttg 180
 caatgaacct cttgcaatca ctacatagca ttctacatag tgatcatcga catcttgttc 240
 ttctacagga tgtacaacaa catttccgtg aactagatc 279

<210> 25545
 <211> 419
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-B12

 <400> 25545

 ggaggggtccg tcgtgagtac aaggcaaaga agatctccga ggaggaatac atcagtgcc 60
 tcaaggaaga aatcagcaag gttgtcaaga tccaagagga gcttgacatt gatgtgcttg 120
 tgcattggaga gccagagaga aatgacatgg ttgagtactt cggtgagcaa ttatctggtt 180
 ttgcattcac tgccaacgga tgggtgcaat cttatggatc acgttggtgtg aagccacca 240
 ttatctatgg cgatgtcagc cggccgaacc ccatgactgt tttctggtcc aagacggcac 300
 agagcatgac cgctcgtccc atgaaggga tggttgactgg tccagtcaca atcctcaact 360
 ggtcatttgt caggaacgat cagcctagat ttgagacatg ctaccaaata gctcttgca 419

<210> 25546
 <211> 291
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-B2

 <400> 25546

 cccactcgtc cgcccacgcg tccgtttggg actaaaaaaaa aaaaaaaaaa aaaaggaaaa 60

aaaaaaaata aaaaaaaaaa aaaaaaaaaa aaaaaaaat ataggactaa cccatctcaa 120
 tgtatcctaa cttacatata catcattgcg gatccctttt tatcgtttca attttcctta 180
 catctaactct actactccgt agtttttctt cgtcgtgact gtaaaaacct taactttccc 240
 catcttaata accttttaac tgatacaact ttggctaata tgaacttatt c 291

<210> 25547
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B3

<400> 25547

cgaactgctc gcggagagggc agaagcttgg cccgttcgtc ccagtgatcc cgcattggtgt 60
 acgcttgctg aatcaagaaa ttttacgtgt ttccacacta ttggagaacg catccctttt 120
 aaatcaaagt ggccttgaac atggtagtcc actaacaaca ggaggattat attcaaattg 180
 agcagctact gacatgaatg tgtggacatc agcatttcaa ccagaaagtt caccagctta 240
 tagctggctt ggaggatccc agggcagctc ctctggactt attgtcaaaa caatgaagggt 300
 cgatatccca gtagacaaat atccaacatt caatttcgtt ggccgcatcc ttgggtccaag 360
 aggaaattcc ttgaagcggg tggaggcaaa tacggactgc cgtgtgctaa taag 414

<210> 25548
 <211> 425
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-051-Q1-K1-B4

<400> 25548

ccttttagttg ccaatttaaa ggaacagtag aaggaatacc gatttgatgg cccaaagata 60
 agcagatcat tgttgtggtg gctctccttt ttcttgtggt ggcaacatca tcatcagtgt 120
 gggttgcaga aggagccgat gacttaaaaag tttcttgctt taaagagtgc acccaaaatt 180
 ttaacactcc cgagggcaag aagatctgtg aaacgatgtg tgccaaccct aaaggaaggc 240
 ctatcgacag agttagagct gattgatcaa tgctcatctt tatttgtagc tagctatcat 300

gcatgcgatg atggccttct tgattattat tatttcattc ctcatgttgt ttgttcttgc 360
 atgttttttc caccactaat attgtcctaa ttgatgcata caagttgtca ctcanagcat 420
 tttct 425

<210> 25549
 <211> 419
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-051-Q1-K1-B5
 <400> 25549

cggacgcgtg ggcggacgcg tgggcatatt tctccagctg ttccgccgag cgaacgaccc 60
 acaaccagaa gccacccatt ggcgtagcgc aggcgatcgc agcatcccggt cccaagagga 120
 gaaactccgc ccggcgacgc gggggaaaat ggggaagacg ccggtgcgga tgaaggcggt 180
 ggtgtacgcg ctgtcgccct tccagcagaa ggtgatgccg gggctgtgga aggacatcac 240
 caccaagatc caccacaagg tcaccgagaa ctggatctcc gccacgctcc tcctcacccc 300
 cgtcgtcggc acctaccaat acgccatgtg gtacaaagag caggagaagc tttcccacag 360
 atactaaatg ggatgtcctc caagttgctg cggttgtgcg cagttgaatt ttccatgat 419

<210> 25550
 <211> 230
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-051-Q1-K1-B6
 <400> 25550

cccacgcgtc cgcccacgcg tccgggtgta gcaaccctta aaattcagat gtgtctgttg 60
 aatataagac tgagggcact tgaagaggat caggagtcc tcaatcaggt attgagttcg 120
 ctccaatgtg gtagtgatgg gctgcagtgt atacaggaga taagcaggca cttagcagag 180
 ttgcgaagag ttgtggctca ctaaaatgaa aatgggtttg ccccgagtcc 230

<210> 25551
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B7

<400> 25551

gacaaaacat ggctgtgaat gtgagaacca tgtggtcgtc gatgcgggca catgttgcca 60
tggctgtggc gttggtgttc ttggtgagcg gcgcatggtg cggtcctccc aaagtcccc 120
caggcaagaa catcacggcc acctatggca aggactggtt ggacgctaaa gcgacatggt 180
atggcaagcc gacacggtgc cggccccgac aacaaccgtg gcggctgtgg gtacacagac 240
acgaacacgc ccccccttaa tatcacgtgc gcatgcgca acatatccat atttaaggat 300
aggctctgtt gtgggtcctg gttttagatc aagtgcgata agcctgtgga gtgctccggc 360
aagcccgtgg tgggtcacat cacggacatg aactatgagc ctatcgcggc gtacc 415

<210> 25552

<211> 418

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-051-Q1-K1-B8

<400> 25552

acgaaggctg tgcaggaggc atgggcatcg gcgtgcggcg gcactgggaa gcagacaatc 60
ctcatacca aggggtgactt ccttgtegga caactcaact tcacaggccc ttgcaagggc 120
gacgtgacca tccagggtga tggcaatctg ctggcgacca cggacctaag ccagtacaag 180
gaccatggta attggatcga gattctacgt gtggataacc tggatcacac cggcaaggga 240
aaccttgacg ggcagggccc agccgtgtgg agcaagaact cctgcaccaa gaagtacgac 300
tgcaagatcc ttcccaactc gctggtgatg gacttcgtga acaacgggga ggtgtccggn 360
gtcacgctgc tcaactccaa gttcttcac atgaacatgt accggtgcaa ggacatgc 418

<210> 25553

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B9

<400> 25553

tgcaggaaaa ggagcgaaga gagagagaga gagagagacg caggccccgc gccgacgatc 60

gaggagggag gaaccagaga cccggcggcg gcgacgatgg ctccgcgcag ctcatcggcg 120
 gcgacgtgcc tgtgcctcgc tctcgccgcg gccacgctgg cgctggccca cgggtgcgcaa 180
 ggaggaggac catcggcatc tgcggcggac ctggacaagg tcacgggcga gaccttcttc 240
 gacatcgaga tcgacggcaa gcctgcaggc cggatcgtgc tgggactggt tggggacacc 300
 gttcctaaaa ctgcagagaa ctttcgagca ctttcacag gggagaaagg aattgccaa 360
 tccggcaagc ctctgtggta caaggggtcg acgttccaca ggatcatccc ggggttcatg 420
 atcca 425

<210> 25554
 <211> 417
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C10

<400> 25554

ccttcaccta ccttcacctg gcaactggca ttggtcccgt atagtgcctt gctgtcaggt 60
 gcatggacgg gctgacggac gagcagaggc tcgcgttcca ggaggccttc tcgctcttcg 120
 acaagaacgg cgacggatgc atcaccatgg aagagctggc cgcagtcacc cgctccctcg 180
 gtctcgaccc gagcgatcag gagctcaatg atatgatgag cgaggtcgat acggacggca 240
 atgggatcat cgatttccag gagttcttaa gcctcattgc ccggaagatg aaggatggcg 300
 acggcgacga agagctcaag gaagcctttg aggtcctgga caaagaccag aacggcttca 360
 tctccccggt tgagctgagg acggtgatga ccagtctcgg ggagaagatg accgacg 417

<210> 25555
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C11

<400> 25555

cccacgcgtc cgcccacgcg tccgcccacg cgtccgccc cgcgtccgcc cacgcgtgcg 60
 cccacgcgtc cgcccacgcg tccgcccacg cgtccgtagg cgccttcttc gtcccacgct 120
 ccgtctttat ttgtaatctg aagcttacag gaacatttga gtggatcatg gacggattgg 180

taggcctctt gaaagtccgg gtggtgaggg gcatcaacct tgcctaccgc gacgcaagag 240
gcagcgatcc gtatgtcgtc ctacgacttg gcaagaagaa acttaagacg agcgtgaaga 300
agagatctgt gaaccccatc tggcacgagg agctaactct gaccgtcaca gatcccagcc 360
tagctctgaa gctggaggtg ttcgacaagg acacgttcag cagggacgac ccgatggggg 420
acg 423

<210> 25556
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A7

<400> 25556

cccacgcgtc cgcccacgat ttcggcgacg cgtgggcgga cacgtaagcg ggagcgggtt 60
aacaccatca aggaagcggg cgtcgctcca aatactatga ataatctaca gccgaacaag 120
gtaaggcgac tttatacatg agctacatct tagatatcga cctcaaggcg aacaccaagt 180
ccgacgataa ctaccatcta tatgagtaca ccgacttgta cactgacgtg catgggctca 240
attactatag agagaacaac gacatagaca aagatgtcca tatgatagat taaaacgta 300
agacgcatga catggactgg attgtagaca tgactttoga atgatgatat actcatacac 360
tgtatta 367

<210> 25557
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H2

<400> 25557

gtcctccagg tcaaggctga cggccgcgtg cgggtggaagg tcggcagctg gatctgcggg 60
cactaccacc tcttcgtcac ctgccccgcg ttctctgtca ccgccggcgg caacggcgcc 120
cccggcgctt ccgggttcag gttccagacc accacgtact gccacgtcga ggtttaatta 180
ggagcgagag gaagcagaga ccatggctac ctctctagct gctgctcctg ccgttgccctg 240
gtgtggtaat aactctctct atctctctct ctctctctgt ccgtgctgg cgttactact 300

gcagtagtgc agtgatgcgg gatgtaaagg aggggtaaaa aaaattcctt tcgttctagc 360
cccttgtttt tttgcatctt ctcttcacc tttccatata ctactagtat gctctgtcga 420
ctg 423

<210> 25558
<211> 366
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-050-Q1-K1-H3

<400> 25558

cccacgcgtc cgcgagaata tcaagatgga ggactcagcc aaccccatct tcatcgcat 60
gaagtactgc cccaacaagt tgtgtactgc caacggcgcc tccaaggcca ccgtcaagga 120
cgtcaccttc aagaacatca ccggcacctc ctccaccccg gaggtcgta gcctgctctg 180
cactgccaaag gtcccatgca ccggcgtcac catggatgac gtcaacgtcg agtatagcgg 240
caccaacaac aagaccatgg ctatatgcac gaacgccaag ggcagcacca aaggttgctt 300
caaggagctt gcatgcttct agacccttcg tcgactgacc catctctcta gntataattt 360
ttctct 366

<210> 25559
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H4

<400> 25559

aacctgcagt catctctctc atcaccacca aactcaaaa cagccagctc gcgaaggatga 60
ggaagagccg cagcatggca tcatcgcccg cgctcttggg gctagccctc gcgctagtgg 120
cggccaccgc cccacaggta gcggaggcaa agaagaagag agcggcggag agcggcgagg 180
cggcggaggc gaagaagatc caggacgact tctgctcgac gctgtgagag ggcaagaagg 240
ggacggacct ggtcgtgtgc aaggagtcct gcgcgtctc ccagcagtc aacctggtgc 300
tgtacggcag gatccagtgc aagggaagt gcaccgagca gaaggcatc acggcgcccg 360

ccatgaaggt ctgccaggag gagtgcgaca aggcgtacgt ggtg 404

<210> 25560
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H5

<400> 25560

caaggacctt cggcgcccgt tcaggatcca catcttcccg agcgagttct tggggggcct 60
cttctcttct ggaccacctc caaggctctt ggtgtagctt gccactctca ccaatcaagt 120
tttcatgtct gatctcgaca ttcagatccc aactgccttc gatcccttcg ctgaggccaa 180
tgctggggac tctggtgcgg cagcagggtc aaaggactac gtacacgtgc gcatccagca 240
gcgtaatggt cgcaagagcc tgaccacgt ccagggattg aagaaggagt tcagctacag 300
caagatcctc aaagatctca agaaagagtt ctgctgcaat ggtacagtgg t 351

<210> 25561
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H6

<400> 25561

gttccccgag ggaccttttc tgaaggttct tggatagggg agatgcaaca agcatgtgat 60
aaatctgtca taatcagtga aattttggac ccaggacaa aaaatttggt gtcagtgtca 120
aaaattagtg actacgttct ttcaaataa ttagtgagca tggcattggc aatggtcgcc 180
gaagatcggc agataaataa tgtcttggag gagctcttcg ctgaacaagg aaatgaaatg 240
caaatacgac cttctgatat gtaccttaga gaagaagagg aattaaattt ctttgaggtc 300
attctgcgag ctaggcagag gaaagagatt gtcattgggt accgtcttga ggcagctgag 360
cgtgccataa tcaatccaat agacaaagtt tcaaggcgaa agtggtcacc caaagatggt 420
t 421

<210> 25562
<211> 361
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H7

<400> 25562

cccacgcgtc cgccacacg tacgcccacg cgtccgtctt gacgatgatg atggctgcac 60

cagaagcgaa ggatcgacca aggtggcatc tgaggcagca gatgtaggaa gatcagcctt 120

gattacagct tctgctttat caaactgtg tgggttcaag attcacgaca agcaaggag 180

aatgcacaga tttaactgtg aaaccagcag cttgacagat ctgataacta gcattcttca 240

catggtttgc gatgacattg acagaaaaca cctgccacaa attttgtatg aagatgatga 300

ccatgataag gtcattattgt cgtccgacag tgaccttata gcttgcgat accacgcaag 360

a 361

<210> 25563

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H9

<400> 25563

cccttcggtt ccgtccgtcc acttgccgtt gccgaccaca acccgctccc ggaggacggc 60

gggatgaggg ggcaagccaa cggagtggag gaccgccggc agcggggcga cgaccacgag 120

gcggacaacg acggcgagga ggcgaggaa gaggagggcg acgacgaggg ccgccaccgg 180

ggccagggcc cgccgcagca gggcgccac caggcccaga ggccgaactc cggcccgcag 240

cagcagcagc agccgcgccc gccgccgccc ctgccagga acgtcggcta cgtcggcaag 300

catgcctct ccgccgcat cgccgcctc gaccaggagc tccagtcctt ccaggaggag 360

ctggacgagc ttgagaccat ggaatctgcg tccgcggcgt gccaggagta agcagatttt 420

gagtg 425

<210> 25564

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A1

<400> 25564

cagatcgcaa cacacggaac cagaaagcaa acgcaaacia gaagcaaacc agcaatggcc 60

cgcgccctgcg tcttccctcgt cgtgctcctc ctagccgcgcg tcgccatggc gccgttcgcg 120

ggcgcgggcgc gcatcgacgt cgtcgagggc aggtccatgg cgtccgcgga cgcaccggag 180

gccgcgcgcg acgctcccgc tcttgcctct ggccccgact cctcctcgac cccgtcgccg 240

gcacctcca gcagcagctc ttccgactag ccgcccggca gagatatcta cggcgctccga 300

tcagtctttg gcgccaccta taacctatcg gatcctgcaa agctatatat gattctatgg 360

tataatgtgt ggttgcgga aacgcgcgga aataatgtgc ttgcgtgatt gtttttctct 420

ctct 424

<210> 25565

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A10

<400> 25565

cggacgcgtg ggcgacgcg tgggcgattc catttctacc ccgagacctc cagcgcggcg 60

ccccgaacc ctcagccttc tccgtcccgc ctcggcactc gacggccgcc ggcacacacc 120

gcgcagtctc gagacaggaa ccggaggaa gaggatggag gatgactcgc cgctgacgaa 180

gacgatgaag ggtgcggtga caggactcgc cgcggggacc atctggggca ccgtcgctgc 240

cacctggtac gacgtgcccc gtgtggagcg ccacgtcgcg ctccctggcc ttatccggac 300

gctcaagatg tgcggcacct acggggccac cttcgccacc atcgggggcc tctacatcgg 360

cgtcgagcag ctcgtgcaga gccagcgcaa gaagcgcgac ttcgtcaacg gggccgtcg 419

<210> 25566

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A11

<400> 25566

cccacgcgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccgcc cagcggtccg 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaggggg cggtttttaa aaaaaaaacc aactttactc tgcctgacaa 240
 ccaaataaat cttttttaag gggggcaaaa aaaaataaat tggcgggcct ttaaaaaaaaa 300
 aggactggga aaaaaaaacc ggggacaaac caaatataat tggctgaaaa aaaacttttt 360
 ttaagcaggg ggaaaaaaaa aaaaagggc ccgaatggat ttcctaaaa 410

<210> 25567
 <211> 419
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A12

<400> 25567

cccacgcgtc cggctagctc tctgtctcct gctcagagtc gcagttcgct ttgttgtgct 60
 agagcgctga gcagatcttt ccttgtttct tcattccggt acgaagggga ggggtccaag 120
 tgaagagaag agaaggcctg cgagcgatgg gcatcgtcga cgtcgtctcc gagttctgct 180
 ccttgccgag gactcgccgg catctcaaga agaggaagca gttccagacg gtggagatga 240
 aggtgcgcat cgactgcgaa ggggtgcgagc gcaaggtgaa gaaggcggtg gagggcatga 300
 agggcgtgag ctccgtggag gtggcgcca agcagaacaa ggtgacggtc acgggctacg 360
 tggacgccac caaggtcatg cgccgcgtcg cctacaagac aggcaagcgg gtggagccc 419

<210> 25568
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A2

<400> 25568

cccacgcgtc cgcacacgct cgccttctgc tcccgtgcc atccagatga tgcttagggg 60
 tgtctcgtct ccggccgccg tggtagccaa ccatatctct ggtggggccg cggcgaccac 120
 ggctcctgcc acggtgacgg cgcacgcaa cggcgtctcg gtgtccgccg tcggcgatcat 180
 cggcaagggg aaggaggtgc tcatcatggt ggagtaccag cccttcgagg agatcaaggg 240

ggagctcgcc ctcgagcccc agtacctcga caggctcgctc gagcgccaca agttcatcga 300
cgactgcgag gcagccatca acgagcagat caatgtggag tacaacgcct cgtatgcgta 360
ccactccctc ttctgctact tcgaccgga caacgtggcc etc 403

<210> 25569
<211> 350
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A3

<400> 25569

gatccacccc acatccatcc acgagcgtgc cgacgccgcg gcggagaggg aggacagctc 60
gccgcggcag atcaatctgc cggcgcgcg cgaccggggc ttcttcagcc tgtgaatgat 120
cccacccaca tccatccacg agcgtgcgcg tagactgatg cctaggtaaa gagaccgagt 180
ttgctgagtg ctagtattaa gttcagcctt catgttgcgg tattgtattg gttgctccgt 240
ttccatctga tcagatgatc atagttgttt ccttgatcag atgatgtgta ctagacgttt 300
tgtccaggtt gagctgaagc tgtgatataa aatttcatta cgttggtatt 350

<210> 25570
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A4

<400> 25570

gtccgctcac cggggcgggc tcagcatcct ttcgaagaag taacacttct ccgtgaggcc 60
tgagcccctc gccgcggtga gccaaagccg cgacacgtgc cccggggctc acgctcacca 120
ccgagcccca accaattaat aatatatata tatagctagg atcgatcgtc agtaaaatgg 180
caggctccgc cgtcctgagg agccccctgt ccgtcctcct ctacatcctc gccgccgtgc 240
ccgccaccgc cgcgggcgacg ccgaccgacg ccgccatcga cgaggcggtac gcgcatctcg 300
tcaacctcac cgctaaccag gactactggg cggagcgcg gcggggcggc cacgcgtaca 360
accgcgcggc gtaccagacc gaccccgtag ccgtcgtgca gcgcttcaac gacggcggtgc 420
ac 422

<210> 25571
<211> 120
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A5

<400> 25571

cccacgcgtc cgccacgcg tatgcttacg cgtgggcgga cacgtaggca gggctcggtc 60

ctaaaaaatc attaacgctc cacaaactat cgacgttttt ttaaactatg aatgatacta 120

<210> 25572
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A6

<400> 25572

tggccatcca cagaagagat agccgagggt gtcaagtcaa gtgtgctccc tgacatgttc 60

aagagcacat atgagtcaat caccaaagga aatcctatgt ggaatgagct gccagtctca 120

acaagcactc tctacccttg ggatccatca tctacatata tccatgagcc accttacttc 180

aaggatatga aaatgagtc tcttgcccgc cggcctgtga aggatgcata ttgccttttg 240

aattttggtg acagcatcac aaccgatcac atctcacctg ccggaaacat tcaccagac 300

agcccagctg caaaatatct gaaggagcgt ggcgttgaaa ggaaggactt caactcatat 360

ggtagccgaa gaggaaatga tgagatcatg gctaggggaa cctttgccaa cattcgtctt 420

<210> 25573
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H12

<400> 25573

ggccgccgtg ccggttcttc ccagctgcag caaccggcca gtgcgcgcgg ttgcgttgga 60

tgtgcatggc tgcgcgtgc gctctgggag cttgcactag cgggtcggcg gcctaggcgc 120

ggggcatctt tcgagtgcgt gcgtgtctgt tcaagctctg atcgtctctc cgcccatctc 180

gccggaggaa actgaccgcc gccttctcgc tctcgtctctc taccctattc ccggggctga 240
gaggggagga gagaaggcca cgtccacacc ataaagcagg acgtacagac acgtgtacga 300
gggggatcac ggtcgggtga ggtgactaag ctggcggacg gaacgacgac gatggcgagg 360
agcggccgcg ggatggaagg cagcggcggg ctgaagaagg ggccgtggac gcaagcggaa 420
gacaagct 428

<210> 25574
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F7

<400> 25574

atcgggtcaaa gacaaaagat gattgctgtg agcatcatgt ggtcattagt gcagggtcag 60
gtgctggcgg cgatggcact agcatttctg gtaggcgggtg cctgggtgtgg tcctcccaag 120
gttcccccg gtaagaacat cacagccaac tatggtagtg attggctaga tgccaaggca 180
acatggtatg gcaagccaac aggtgccggc ccggacgaca atggtggcgg atgtgggtac 240
aaggacgtga acaaggcccc tttcaacagc atgggcgcgt gtggcaacgt ccccatcttc 300
aaggatggtc taggttgtgg atcctgcttc gagatcaagt gcgacaagcc agcggagtgc 360
tctggcaagc ccgtgggtgt gtacattaca gacatgaac 399

<210> 25575
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F9

<400> 25575

cccacgcgtc cgcccacgcg tccggaggaa cggaacaac caacgatcgc ctcatcgca 60
tggtcgcgtc tgtccccatc gccgtcgccg tcgcgcctct gctcctgctc ctctcgtct 120
ccactgcgtc cgctgcacgg accgtgggcg acaccgtgca ggacgcgtgc agcaagacac 180
aattccccaa gatctgcgtg gacagcctcg ccgcaaagcc agagagccag aaggcgaccc 240
cgcgcgggct ggcggagctg ttcgtgaaca tcgcggccga gaagggatcc gggatggcca 300

cgttcgtgca cgggaagtac aacaacgcca aggacagcac cgtgttcaag tgctacgaca 360
gctgctcgga cgacgtcgag gaggcgctcg cccacctcaa cggcctcgtc cgggagccca 420
ccga 424

<210> 25576
<211> 381
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G1

<400> 25576

gtgaggatca ttatcttaat tatttatgta ccatgttcaa aatgctcttg ttttggggaa 60
tctgctccgg agagagccct tgaagcttgt tgatgggggt cagtctcaga gaacctttgt 120
ctacatcaag gatgccatcg aagctgtagt gctgatgatt gaaaatcctg ctcgagccaa 180
cggccacatc ttcaatgttg ggaatccgaa caatgaagtt accgttaggg agttggccca 240
aatgatgaca gaggtatgcc atatattgtt gaccctgact ggtgtacttg ttacttgttt 300
ctattgtaag tcattctattg tgatcttgtc acgaggttct agtattttcg caacggacaa 360
aagagtttga gagtactacc t 381

<210> 25577
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G10

<400> 25577

ggcgtctctc gaccgctccc gcgagtcgct cctcccgagc ttctctctacg cctcctcggc 60
gcgctctttc gctgccacag gagccgccgc gcgcctccct gtctcctccc cagcgctgac 120
cacggctgga gcaagaggcg gcgtgccgtt ctgatccaa gcgcccacaa agaagatcga 180
gaagtactcg cccggcttct atgccggctg cactggccga agaatcgcca ggtgccggct 240
taccacatg ggcgtcacgc cttttgacct tggcaagggc catatgccga ttgacccaac 300
caaatacaag agtatctcat ctggatttgg tctctgtta aaggagcaag gggccagggg 360
tttcttcagg ggat 374

<210> 25578
 <211> 379
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G11

<400> 25578

```

cccacgcgtc cgccgagatc ttcgaggtga caccggcctt tcacgtcgtc gaggtgaaga   60
aggcggcagg cgacacgctg gagtatgaga tgttctgcag caagggccta agaccttcac  120
tcagcgacat ctgctggagc agccgatctg aggagaacat ggctccttca gtggttcagc  180
catcacaatt ggagccatcc tcttagaccg tctccgacag ttactcacc cctcttagtc  240
gattgttatt taagtgcagt ctcttcggag atgcaattac agtccatcct ctctttcttt  300
tcccccttct caaagagcta ggaccttggt cgactgacct taaggctgta gggctctttg  360
ggaccatctt ttgccagtt                                     379
  
```

<210> 25579
 <211> 384
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G12

<400> 25579

```

agcaggcggg cgcgaggggc caccgcgacg ccgcgggggt gtggtacgtg ccctactggg   60
agggctacga cgacggcttc gaccgcgacg cgcacgacgc cagcactac atggagcaga  120
tcaagctcgt gggcgccgcc acgttggggg ccgtcctcga ccgcctccac ggcgtggggc  180
gccccgtcac gctcgtcgtg tacacgtgc tgctgtcgtg ggtggccgac gtggcgcgcg  240
cccgtccgt gcccgcgcg ctctactgga tccagccggc caccgttctc gccgtgtacc  300
tccatttctt ccgcgccacg gacggcgtcg accgggccat cgccgcggcg ggcggcgacc  360
cgtgggcgag cgtccggttc ccgg                                     384
  
```

<210> 25580
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G2

<400> 25580

cccacgcgtc cgcgccctct cgctccagcc gcttcacagc gccgccgctc gcctgtgcga 60
ccgccgcgag aatgccgttc aagaggttcg tggagatcgg gcgcgtggcc ctggtgaact 120
acggcaaaga ctatggccgc ctcgtcgtca tcgtcgatgt ggtcgaccag aacagggcac 180
ttgtggacgc ccctgatatg gtcaggtgcc agattaactt caaacggctc tcacttactg 240
acatcaagat tgacatcaaa cgcgttccca agaagtcaac cctgatcaag gctatggagg 300
aagctgatgt gaagacgaag tgggaaaaca gctcatgggg caagaagctg attgtccaga 360
agaggagggc tgcgctcagt gactttgaca 390

<210> 25581

<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G4

<400> 25581

cccacgcgtc cgcgccctct cgctccagcc gcttcacagc gccgccgctc gcctgtgcga 60
ccgccgcgag aatgccgttc aagaggttcg tggagatcgg gcgcgtggcc ctggtgaact 120
acggcaaaga ctatggccgc ctcgtcgtca tcgtcgatgt ggtcgaccag aacagggcac 180
ttgtggacgc ccctgatatg gtcaggtgcc agattaactt caaacggctc tcacttactg 240
acatcaagat tgacatcaaa cgcgttccca agaagtcaac cctgatcaag gctatggagg 300
aagctgatgt gaagacgaag tgggaaaaca gctcatgggg caagaagctg attgtccaga 360
agaggagggc tgcgctcagt gactttgaca ggttcaaagt catg 404

<210> 25582

<211> 348

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G5

<400> 25582

cccacgcgtc cgcaggcagg caggtcggcg aggagggcag gaagaccgaa gaccgagccg 60

tgcgggggct cgggacggga acgggacagg accccaaaat ctcagatcct tcctgcccgc 120
 ccgcccgtgc ccgtcgacgc gtcggttcttg ccggccgcgc cccacctccg ccctctcttc 180
 ctccaggggg atcggatagc ccacaggctg cgcgatggtg ctgtgggtct tcggctacgg 240
 ctccctcatc tggaaccccg gcttcgactt cgacgacaaa atcctcgggt tcatcaaggg 300
 ctacaagcgc acctttaatc tcgcttgcat tgaccacaga ggcacacc 348

<210> 25583
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G6

<400> 25583

gccgcatcca gggatggaga tgaagaagat cgcctgcgcc gtccctcatcg ccgcgggggc 60
 caccgtggcg ctggccgcgg aggcgccggc tccgtctccc accagcgggt cctccgcggg 120
 cgcacccgcc atcgtcgggg ccgccgtggc ctcttcttcc gcgtactaca ttactgagc 180
 cgccggacga ggagccggag ccggagggaa gagaccaagg tgggggggaga gacttggctg 240
 cgctgcgctg ctctgctgct cccgcgcatt cccgatgcgt gggcgtgctc tgattgggca 300
 cggcgggtggc agtggcacac ctctgtcttc cttttgtttg ttcccttttc ctctctcttt 360
 ctacttgatt ttcatTTAAC gaattggtat cgctgatgca cc 402

<210> 25584
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G7

<400> 25584

gtgacgatca ttatcttaat tatttatgtt ccatgttcaa aatgctcttg cgggggggaa 60
 tctgctccgg agagagccct tgaagcttgt tgctgggggt cagtctcaga gaacctttgt 120
 ctacatcaag gatgccatcg aagctgtagt gctgatgatt gaaaatcctg ctcgagccaa 180
 cggccacatc ttcaatgttg ggaatccgaa caatgaagtt accgctaggg agttggccca 240
 aatgatgaca gaggcacgcc atatattgtt gaccctgact ggtgtacttg ttactagttt 300

ctattgtaag tcatctattg tgatcttgtc acgaagttct agtcttttcg ctacggacaa 360
atgagttgga gagtacta 378

<210> 25585
<211> 330
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G8

<400> 25585

cggacgcgtg ggcggactcg tttgataaaa aaaaaaaaaa aaaataaaaa aggaagaaaa 60
aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaggggcg ccctttttta agaaccaat tttccttacc tttcctttca 180
acttcttact ttttttttag tgccacctaa ttttaatttaa ttgcccttct ttttacaact 240
ttttaattgg aaaaaccctg cctttcccca atttaatccc tttgcataaa atcccctttt 300
tgccacttgg cttattacca aaaaggccct 330

<210> 25586
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G9

<400> 25586

gggctgggct catgctacga ggtgagatgc aggaaaaacc tgagtgctcg ggcaatgctg 60
tcacggtgtt catcacagac atgaactacg agcctatcgc tccctaccac ttcgacttga 120
gcggaagggc cttcggtctc ctggcaaagc ccgggctcaa cgacaagctt cgccactgcg 180
gcatcatgga cgtcgagttc agaaggggtc ggtgcaagta ccccgctggg cagaagatcg 240
tgttccacat cgagaagggc tgcaacccca actacctggc cgtgctgggtg aagtttgtgg 300
cggacgatgg cgacatcgtg ctgatggaaa tccaggacaa gttgtcggct gagtggaaagc 360
ccatgaagct ctcttggggc gccatctgga ggatggacac tgccaaggcg ctc 413

<210> 25587
<211> 334
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H1

<400> 25587

attaccacc ccaaagagct accctgacca tatttggccg cttcctcctc tgcttggcgg 60

taaccctagt ccagcccccc gagatctgct ccgcgcgagc agccatggcg gagacgctcg 120

acatgaccct cgatgacatc atcaagaaca acaagaagag taaccctcc tccggcgggg 180

cccgccgcag ccgctgcgga tccgcccctg gcggcagcaa cggcggcgctc gggccgacca 240

agcgctcctt caagaaggct gggaacaagc acgcgcctta ccagccgacg aaagcccctg 300

acgctgacat gcatcacgac atgtaccctg cggt 334

<210> 25588

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H10

<400> 25588

aaaacatgca gcaacacccc tggcaagata aaagatagat ctaagactga agatgaagag 60

gtgggaaata aaaagcggag gaggaaggga attaggagga aggatcaaaa aacaaagatg 120

cactatgggg aagaggaaga tgagtacaaa gatgaaccag aagcagatga tgactatgca 180

gacctggcga ggtataatgg cgctgacaat tcagagagag cccagatca ctttcttgca 240

gctgctggcc ttgacgattc tgatgccgaa gatgacatgg gtcacctca atctgcaata 300

gaacggatga gacgagcttg gtcagaatct gaagacgatg agccagtga gaagccagca 360

acacaaccta 370

<210> 25589

<211> 82

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H11

<400> 25589

cccacgcgtc cgttctttta cttgaatatt gggttactgca ttggtctttc actttaaggt 60

cggtgactgc attgatcgaa tt

82

<210> 25590

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-050-Q1-K1-F6

<400> 25590

cccacgcgtc cgcccacgcg tccgcacgca acgacgcgcc tcggcctcgc agaaggaggg 60

gccaaaaagg aaaagagaaa agaggaaaag aacgcaggga atgggcaagc agcagcaggc 120

gccaccggcg cggcgggtcca cggcgatgtc ggcgccctccg ccaccgaagc gccggaagaa 180

gaagggccgg ccttccctcc tcgacctcca gaagcggagc ctccgcctcg agcagcagct 240

ccagcagcag cagcccaagg ggcgacgtc caaccgccgg agcgccggct ccgcggacga 300

ggacgacgac ggccccgcct ccggctccgg ccgcgcgag aagaagctgc gcctcgtcat 360

gggccttcac gacggatcac ccaaggtaga aaagacgagg aaagcgacng atgggcatg 419

<210> 25591

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E1

<400> 25591

cggacgcgtg ggcgagcgcg tgggccacca cctttaccac cgaagagaga aacgcgagcg 60

accagcgatc gcccctatggc cgccatggct cgttccgtct ccctcgtcgt ggcgcccctt 120

ctctcctct cctcctcgt ctccgccgcg gccagtgcgc ggaccgtggg cgacaccgtg 180

caggacgcgt gcagcaagac ccagttcccc aagatctgcg tggacagcct cgccgccaag 240

ccggagagcc agaaggcgac gccgcgcaag ctggcggagc tgttcgtgaa catcgcggcc 300

gagaagggat ccgggatggc caccttcgtg caccgcaagt acagcgacaa ggaggacagc 360

gacatattca agtgctacga cag 383

<210> 25592

<211> 422

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-E10

 <400> 25592

 atcagtacgc agatggccat ggagggctcgt cgtcgtcgtc gtctcgttct gtggctcggg 60
 atatccgcgc aaacaatgct agttgccgcc gcggccggcg ccaagcggca ggcgccggtg 120
 atgttcgtgt tcggcgactc gacgctggac gtcgggaaca acaacttcct gtcgggggcg 180
 gccgtcccca gggccaacaa gcccactac ggcgtcgact tccccggcgg ccatcccacc 240
 ggaaggttca gcaatggcga caacacggct gacttcgtcg cgaagagcat ggggttgaag 300
 agtagccctc cgccgtatct gtcgcttgca cccaacggct ccagccctct gtcgcgcgag 360
 actgctctca ccactggtgt cagctacgct tgcgcagacg ctggcgtact cgactcaacc 420
 aa 422

<210> 25593
 <211> 314
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-E11

 <400> 25593

 cccacgcgtc cgcccacgcg tccgcccacg cgtccgggct gccctgcat ccaccacggc 60
 ggcgccggcg ggggcgtgc tgcttctgct cgtgtcgtc gccgcggcgg cggacatgtc 120
 gatcgggtcc tacggggagc gcaacgacca ggaagccccg cggatgtacg cggagtggat 180
 ggcggcgcac ggccggacct acaacgccgt cggcgaggag gagcggcggt accaggtgtt 240
 ccgggacaac ctccgtaca tcgacgcgca caacgccgnc gtcgacgcg gcgtacactc 300
 ctttcggctt gggc 314

<210> 25594
 <211> 392
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-E12

<400> 25594

ggcaacgcac tactcggttcg tatctttaag cttgctgctg cagcgtaaga aaaagcagtc 60

tgcactcggc cggtcggtcg ctctgttcag ctagctgcat gctcggccac catatctcct 120

ccagtacgtt cgtcgttctc cacgccgcta tctggctctgc ggtaagcagc agctagaggc 180

cgttggttag gctacacaga agatcatcga ggatgctggc gaagaagaac aacagcacgg 240

cgatggcggc gggcgtgctg ccgctggcgt cgctgaacca catcagcatc gtgtgccggc 300

cggcggaggc gtcgctgcgc ttctatgcgg acgtgctcgg cttcgtgccc atccgcggcc 360

ccggctcctt cgacttcgac ggcgccctggc tg 392

<210> 25595

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E2

<400> 25595

cccacgcgtc cgcggacgcg tgggcttcac catatgggaa caccttgcat cacagggaga 60

attctacagt tggcgaattt gcattcacia ccgcagaagc tggaaactac gttgcatgct 120

tctgggttga tagtgcagag aaaggatcag gagtatctgt gaatcttgac tggaagattg 180

ggatcgcaac aaaagattgg gatgctattg ctaagaagga aaaaattgag ggtgtagaac 240

tagagcttcg gaaacttgaa gtggcagtac aggccattca tcagaacttg atatacctca 300

aagaaaagga agcagagatg cgaactgtga gtgagacaac aaattcaagg gtcgtctggc 360

tcagtactct gtcgctatgg gtctgcattg cggatatcggc ttgcaagtc cgacac 416

<210> 25596

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E3

<400> 25596

gaaacaacaa gactgacagc gacgatgatg ccacagctgc gtagcctcgt cgcgcgggctc 60

ctcgtggcca cggccatagc cgccgctccc ggcgttgggt ttgtcgtcac cggccgcctc 120

tactgcgaca actgccgcgc egggttcgag acaaacgtgt cccacgccat ccaaggcgcg 180
acggtggaga tggagtgccg ccacttcgag tcgcagcagg tccacgacaa ggcgaggcgc 240
acgacggggcc ccggcggctg gtacaggatg gagatcagcg gcgaccacca ggacgagatc 300
tgcgacgtgc gcctgctcaa gagccccgag gcggactgcg ccgagatcga ccac 354

<210> 25597
<211> 150
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E4

<400> 25597

ggtggtctta gtttatcatg tatcgctcgc agtttaattt agcggtttag gtgtggatct 60
gtgaacccca tggcgctctt gcttgattcg tgtttcacct gttatgttct gagattcatg 120
ataatgctat gagaactgaa attcccgttt 150

<210> 25598
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E6

<400> 25598

gccttgaagg agcaagggtt gtacgacgcc gacaaaatca aagagggtcat cggagggtgcc 60
gactccgaca acgacggaag gatagattat tcagagtttg tggcaatgat gaggaaaggg 120
acagctggty cggagccaat gaacaacaag aagaggcgag acgtagtcct atagtgggtc 180
agcaagtgtg taatgtgtat aggagctcaa gcaagcaaat ttgtgtatca gtacacagat 240
gcaatggagc tactttttgcg gcttagttca cggatggctg tgtacattgg ggcattgttt 300
gcgggggatt ttaatgctat gcatacttag ggactgagaa agacatggac gagttcatga 360
tgcgtgcaga tcagtctgga agtcctggac caaatagaga gaaaacaata ggatgacgat 420
tc 422

<210> 25599
<211> 258
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E7

<400> 25599

cccacgcgtc cgggaacacc tactccgatg atccatctac tgcttggcct gaccggcgcc 60

gcggagcttg gccatgttcc tcttcttctt ctctccagg tccgtcacct cctgctgctt 120

ggcagcttcc tcggcgccgc cgggcgccgc cgggaccggg ttcactacag gttccccgct 180

gccgcggagc ttcggggcgg agccggagcc ggacctatcc tgggtctcgg cgctgacgac 240

caccccgcca ggaacctt 258

<210> 25600

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E8

<400> 25600

gctgtggatg gaagctatgt tttcaacaag ggaaagatcc acaaggttcc tgggggtgac 60

atggaagctc tcaagtctcc cctgatggga ttgtttgaga agcgaagagc tgggaaattc 120

ttcctttatg tccaagatta taaggaaaat gacccaagta ctcataaggg ttacaacctt 180

actaaactaa cgacaaaaga acttatctca aaatatggtt tggatgataa tacgatagac 240

ttcattgggc atgcagtggc tcttcataga gatgatagct acttgacaga acctgcaatt 300

gacactgtaa aacggatgaa gctttatgca gaatcagtgg ctgcgtttca aggaggatca 360

ccatatattt atcccttgta tggttt 386

<210> 25601

<211> 226

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E9

<400> 25601

cccacgcggt cgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

gaaggaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaa aaaaaaaaaa aactaaaaaa aaaaaacaaa aaaaaataat tatgaaaaac 180
 atatatttta aaaaaataat ataagacaac ataagacata atattt 226

<210> 25602
 <211> 366
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F1

<400> 25602

gttcctcgtc gtctcgtggt gtttctcgcg ttgccattgc cccagctgtc cgcccgcgcc 60
 cgcggaatg gcaggcgggc tgggtgtgaa cgcgcccggg ggcaagacgt accccggccg 120
 catgacgccc ttctgtttct tcacctgcct ggtggcgctca tcgggcggcc tcattctcgg 180
 gtacgacatc ggcattctccg gcggtgtcac gtccatggcg tcgttctctca aggagttctt 240
 ccttccgctg tacgccaagg cggcggcgaa caaggacacg aaccagtact gcaagttcga 300
 cagccagctg ctgacgctgt tcacgtcgtc gctgtacctg gcggcgctgg cgacgtcggt 360
 cgtggc 366

<210> 25603
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F10

<400> 25603

tcggaaacag ttaagaattc atatataaga gtgcatatat atatataaa ttctgccggg 60
 ggaaaggtaa tggagtcgtc acgcatgttc cagccggcca tcattctgct tctcctgctc 120
 attgtgacca ccgatgtggc gcaggcgggc agggaatgcg agaaggacag cgagcgattc 180
 cttggggcat gcatggcgtc ggacaactgc gccaacgtgt gccgcggtga gggcttctcc 240
 ggcggcatgt gcagcacctt ccgccgcgcg tgcattctgca ctaagccgtg ctaaattaac 300
 ctactcccgg cagttcgatg gtggacgttt attctattta ttggcttact tgattttttt 360
 tcccctaaca ataagaaaac gcacgtgctg gcatgtacgt tgcgttgat atgcttttct 420
 tgc 423

<210> 25604
<211> 311
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F11

<400> 25604

cccacgcgtc cggaacatc gtccatccga gctaagtaat taggtcgaaa atgacccgtg 60
cgggcagcag tagcagcagc cggcgtgtga cgctgggtact gctcgggtctc cgctgctgc 120
ttctgggttg tggtgcgcat gcggtagtgg agttgggtgcc tgctgatgat aatatcgccg 180
ccgccgctgc tggcacggcg gtggacgatg gcgagccgcc tcagcagtgc gcgaccccg 240
tgagcgtgta ggatgcgtgc cgcggcgcgt tcgagacgca cgccggcgtg gcctacgacc 300
actgcatggc g 311

<210> 25605
<211> 427
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-050-Q1-K1-F12

<400> 25605

atcaaagagc acggtggtga tgactttctc tttaacgtca aggagggccc gactggcgcg 60
tggacgctcg acaccaaggc cccactcaag taccctctt gcatccgctt tgctgtcaag 120
tctggcggct accgcatcgn cgacgacgtc atccccgccg atttcaaggc tggcacaacc 180
tattagacca cactcaacat tctaataaac ctctcatgat gaaatatatt tcaaaagaac 240
tcaactaacg catgtgttac aagacaatat ttttttttca atggcttttt ttggcaccag 300
accaccaag aaataagtta tgctacatgt ctcttctgac cccttggtgt gttgggttga 360
tattattaca taaactaaat acattattta ttttaagattt taggagaaat atgttgatct 420
gatccac 427

<210> 25606
<211> 330
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F3

<400> 25606

cggacgcgtg gggccgcgcc atgacgatga cgatagccgc cgtgctctgc ctgctgctct 60
tctctggccg tctcgccgcg gcggagaaga ctttccgcgg aggtggaggc ggaggctacg 120
gcgggttga ggccggtggc ggaggcggcg gcggctattc caccgccagc gaggcggcgc 180
catccacgcc tgccgctggg gagacgacta ccccttcgtc aggcggcggt tactccactc 240
ctagcgtggc ggcccatcc acgcctgccg ctgaggagac gacgacgact ccttcgtcaa 300
gcggcggggg ttacggcggt gcaaccggca 330

<210> 25607

<211> 415

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-050-Q1-K1-F5

<400> 25607

cccacgcgtc cgtccacaca tggtagcaca catggcgcca gaaatgcaga aggtggcctc 60
ccgcgaagca gtggccccac cgccctggcc aagggttcac aattttggta tgaaattcct 120
gaaattcct tgaattcagg gtccgaaagg aatatgtttt ccgaaattga cgttgtttaa 180
tataaattat agcatttttg ttttaaaaat attaaattta tttgattttg acgtaaaatg 240
cctgaaattt cggaatttcc tgcttttctg tggagccaat ttttttcctt ttcagaaact 300
gtgaaccctg cctcacttag gtgctctagc cttcgccgnc ggaatccatc cagattataa 360
gtgttcccga tctcgctatc ttacctatg ttttaccac ttaaaagaaa ctatt 415

<210> 25608

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D9

<400> 25608

cgcacgcctg atgtcgacgc gccggtgtcc cgtcggccgc ctccataccg cgtgctgaga 60

cggctggcgc tgccgtcacc agaggtggct gttccgtcca ccgtggcgcg gattggggaa 120
 gacagctgca tggttgccgg accttcgcca ggacagctcg gaccggggac ggcacgtgca 180
 tggcggctgg cacttcgtcg ttaatccctg aacaaagaca gaactcccga aatcaacttt 240
 cccgccagtt ttgcagccta aacatcaagc gcgccattgt ttggcgccat tttctctcgc 300
 agcctcaacc tgatcaaccc gttgctgctg ctcccatcca tccccgtgct gcagcttgca 360
 tcaccttccc gtgtgctgatt catgagagcc cacagccact gtctctgagc gagcattgta 420
 tg 422

<210> 25609
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-C12

<400> 25609
 ctaccctcgt cgctcgtctca ctcaccccgcc cttcacgcct ccctcaccaa ataagggcgc 60
 ggccttttcc gacattcaca ggggggacag gaaatcagcg gccatggcct cgattccggc 120
 gacgaccttc gccgtcatct tatccgtcct cttctgtgcc gcggtcggca ccgccgtcga 180
 caacgacctc cccgactacg tcatccaggg ccgcgtctac tgcgacacct gccgcgccgg 240
 gttcgtgacc aatgtcaccg agtacatcgc gggcgccaag gtgaggctgg agtgcaagca 300
 cttcggcacc ggcaagctcg agcgtcccat cgacggggtg accgacgcga acggcacgta 360
 cacgatcgag ctcaaggaca gccacgagga ggacatctgc gaggtgggtct tgggtggagag 420
 cc 422

<210> 25610
 <211> 321
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-C4

<400> 25610
 cccacgcgtc cgcccacgcg tccgcccact cgtccgcccc ctcgtactcc cactcggctgg 60
 gatcctcatc agacattaca ccaattgatc accaaaatat atcgctttaa taccaactac 120

tcatgtcatt gtactgtcgg caacaaatct agctgatgtt tctgacctg cccttaatcg 180
 cactggcaga tttgaccgtc tcgttatgct ttaagctcct gataggtttg gaaaagaatc 240
 aattctaaaa attcatgtca aaagaagata gcttccactg aataaacatg tacatctaata 300
 caatatagct gcaatgacaa c 321

<210> 25611
 <211> 387
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C5

<400> 25611

cggacgcgtg ggtgaccgca cgcccgacac agctgctccg ggctccgctg ctggggtagg 60
 gtttggactt tggattggag ccgcaccgcc gcaccggcac cgcagccgtc gcagtgccgc 120
 acagccacca ctcccatctt ggtcttgccg ccagtcgccc tcggacctcg gccatcgacc 180
 ccttgcccgc ttgccgagac gccgagtaag cgtcgaccgt cgtcgctgtc gtcaccgagg 240
 tccagcgcgc aacagcccag cttcaagcct ccagccatcg gcgcccgcgc tcctccgccc 300
 agacgccgag tgccaagcgc ccaagcacc cagtccccag cgcccaacag gctaacaggc 360
 tgcaggtatg caacctcttg tgatgcg 387

<210> 25612
 <211> 362
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C6

<400> 25612

gacaggcgtt gctggaggta tgatgcacgc atacgatatg ggcggattcc ctggggggga 60
 tactgcctta tcctcggtg cccaaattgc gactctgact tctgaccttg caaatgctaa 120
 tcctgaacag caaccaacga tccttggtga aaacctatac ccactgattg agcaactgga 180
 accaaaccaa gcggcaaagg tcaactggaat gcttttggag attgatcaca ctgaagcact 240
 tcaactgctt gagtaccctg atgccctcaa gtcaaaggta gctgacgcga tagatgttct 300
 acacaatgcg tcccatcagc aaaacgcaaa cacttggacc agtcagcttg ctacattatc 360

ac

362

<210> 25613
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C7

<400> 25613

gtcgagcagg aggccaacca caactccggc acgttcctcg accgcttcac cgagtcgctg 60
cactactact ccaccatgtt cgattctctc gagggcgccg gcgccggctc cggccagtc 120
accgacgect ccccgccgc gcccgccgc accgaccagg tcatgtcgga ggtgtacctc 180
ggccggcaga tctgcaacgt ggtggcgtgc gagggcgccg agcgcacgga gcgccacgag 240
acgtggggc agtggcgag ccgcctcggc ggctccgggt tcgcgccgt gcacctgggc 300
tccaatgect acaagcaggc gagcacgctg ctggcgctct tcgccggcg cgacgggtac 360
aggggtggagg ag 372

<210> 25614
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C8

<400> 25614

cccacgcgtc cgcccacgcg tccggaacgg agggaccctg aacagcgcaa ggggagcttc 60
tcttctgaag gaagctatac atgttatcag ctgcggctac gaagacaaga ccgactgggg 120
aaaagagatt ggctggattt acggatcgat cacagaggat atcttgactg gatttaagat 180
gcactgccat ggctggcggt ctatttactg catcccgaag cggcctgcat tcaaaggttc 240
tgcgcctctg aacctttccg accgtcttca ccaggtectt cgctggggcc ttgggtccgt 300
cgaaattttc ttcagcaagc actgtccact ttggtactga tacggcgggc ggctaaaatt 360
cctggaaagg atttcttata tcaac 385

<210> 25615
<211> 428
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C9

<400> 25615

cccacgcgtc cgcccacgcg tccgaagaaa tcttaccatgc catcccagag aaaacaacgc 60
aaattctgca attgcccagt ggaaatggcc aagaaatcct acaaagatgc ttgcttttgg 120
tgtccacaag catatgccaa tgacatggac tcctcagaag aggatgaatt ggatgacaat 180
ttgaatgata tttttggcct taatgatgat ggcatctactt cgtctgtttc tgcctccagg 240
gaccagctaa agtataacct catatcttgc aaacaaatgg ttggtatttt tgtcacagtc 300
tgggcaaaga aagaattaat gcagcatatt ggacatttga gaacgtcctg tgttggtcgc 360
ggaataatgg gatatcttgg aaataaggga tgtatatcag taagcatgac actataccag 420
acaagctt 428

<210> 25616

<211> 170

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D1

<400> 25616

aaaataaaaa aataaaaagg tagaattaaa aaaaaataaa gcaaaaaaaa aaaaaataaa 60
aaaaataaaa aaaaaaaaaa aaaaaaaca tcaatattta aaaaatccaa attaataaac 120
aattacaaat aaatatataa atataatata aaacaacata aatacaataa 170

<210> 25617

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D10

<400> 25617

cctgcttcga gatcaagtgc gataagcctg tggagtgtct cggaagccc gtggtggggc 60
acatcacgga catgaactat gagcctatcg cggcgtaacca cttegattta gcaggcacgg 120
cgttcggcgc catggccaag aagggcgagg aggagaagct gcgcaaggcg ggcatcatcg 180

acatgcagtt ccgaagggtt aagtgcaagt acgactccaa ggtcaccttc caccttgaaa 240
 aggggtgctg cccaactac ctggcgctgc tggtaagta cgtcgatggc gacggtgaca 300
 ttgtggcagt ggacgtcaag gagaagggtc ctgacacgta cgagccccta aagcactcct 360
 ggggcgccat ctggaggaag gacagcgaca aaccgcttaa gggacccc 408

<210> 25618
 <211> 308
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-D11
 <400> 25618

cgccattccc gcctagcttt tcttccgatt gcttccagaa aatcgttgag ccctcgctga 60
 cgtacggctg cgaccgtggg gacgacgggc tttgatccat taagcaactt accaccaaata 120
 caaaaggagg ggagatgtga gacaaaggac aggagcgcct agcaaatcaa aaggagctgg 180
 aaaacgaacc acgggaaggc aggatgatgg aaagggacaa tcgtcttcct aagcgggttcg 240
 taaccgagaa acgaattatt gaggtgacct aaaaataaaa ttggggcccg ccccttgggt 300
 ctgaatcg 308

<210> 25619
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-D12
 <400> 25619

agaaactatc gccagcaaag ggagagcgcc gaggtgatag agataatgcg gtgggtggtgc 60
 tcatggttgg atgaatgggg gtgtcgggct atgcgcggtt gacgtcctca tcggagcaaa 120
 ccccttcacc gttggttgcc tcgtgccgtg gcctgggaag tcgatgactg ctcatcatgg 180
 taggaggccc cgaccgaccg tgcaaccgtg tgccgacgct gtggctgtgc gccaatgaaa 240
 tcacgagcga ggtcacgagt catctgaaga gcaagttggt acctggaatc tcaagtgcc 300
 ggtcaagaac aggtaccaca ggatgaggcg cttggaggat gctgtgatga gttcgtgagt 360
 ggtctaggcc gtcgtctccc agtcaacttt gggttgctgg accgttgtct ccttataatg 420

<210> 25620
 <211> 391
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-D2

 <400> 25620

```

aaaataattt acttcatcct cccagcttac aagttaaaaa accatcaaaa gtttcagcag   60
ctgcgacaga caagaacgcg cacgtcgcac gctgtggcgt cgcagctgcy ggaacacgac  120
aacattcaca tgaacttact tcagctacta ataatacaag gcgacggtag atatagagag  180
catcttctgc tagtctggtt gtaaataaac gatcttgaaa cgctgtcttg agccgctata  240
cttttgtttt tccttctttg tgcggagcag gtgcgtgcag ctcagctgag ctcagcagag  300
cggcaggggc gcgccgttcc actccttgag gcactcgagc agcgggtcga tgtgcttgcy  360
ctggttgatg gccacgagca cctttgtgag c                                     391
  
```

<210> 25621
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-D3

 <400> 25621

```

gaccacgcg tccgccacg cgtcgccat agctcctgcc ctgtgtgccg gtttgagctg   60
ccatctgaag agacagaaga tttggatgag cctagcaatg tggacagaac agagaacacc  120
catgaggaag tcagggccga tggccctgaa gatgacggtg agagcagtaa cagagcgtgg  180
gcccttgttc cttggttcag tgggctattc tcaacacctg aaccacaaac tgtcagaggc  240
gctttcactg atcagcagac tcgtccact tctggaacca acctgaatgc tggcgaaagc  300
tgatctcttc ctcttttgag aataattccc ctacatctga gaatagcaat ggaccttgct  360
agtagataac ttaattttct gtactgataa ttcttcttgg atgaa                                     405
  
```

<210> 25622
 <211> 399
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D4

<400> 25622

cgccttggaaggcatccggcccgctcgaggctccttttggaagggaagaggagttgggctt 60

cgttgctgcgggttccccctgtccaggcggttcccggttgctgcgtcacctca 120

gggtcctccggttgccgcgttgagcgcccggtctgcctcctccggttgcgagttccgg 180

atcccgcta gctgttacggcgcccgctgcgcctttgtttgcggttgccgcgcgggctgc 240

tgatccgcccgtgtacaaccaggaggctcg ggaatccctg gcaggtctgggcgtgatagc 300

ttcgaccatc gagtcgggaa tccgtccgtg gcttcaggcg cttaacggtcgccttcggca 360

ggcggagcatggccctcagattgggagcgtcagctcgc 399

<210> 25623

<211> 105

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D5

<400> 25623

gtcgactgtcggatactatcagagataccc aacctcgatcgtgacagctttagggcatg 60

taatgatgctcataaaatgtcatgtaacgtacgtatttgtgtgtg 105

<210> 25624

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D6

<400> 25624

cttcttcccaacccaacagaagcgaagcatctcttctccc ccttcccaa tggggcgcg 60

gcatatcccc ttctccgtcc tccgcctgcgccatgtcttcgccttcgc cctcgccgc 120

ggcgccggcggaagaggagg gccgggcgcc gaccaagtacgtgctgatca cggggcggt 180

cgtcagcggtcctcggaagg gcgtcaccgc cagcagcatcggcgtcgtcc tcaaggcctg 240

cgggctccgcgtcacttgca tcaagatcga tccatacttg aacacagatgctggtacaat 300

gtcccccttt gagcatggcg aggtgtttgt tcttgatgat ggtggagagg ttgacttgga 360
 tttggggaat tatgagcggt tcatagatgt tactctgaca aggataacaa ca 412

<210> 25625
 <211> 421
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-D8
 <400> 25625

cagcgagcga gagcgagaga gacagagaga ttgtccgcgc gtcagcgact ccgggcgaag 60
 acgatgggga aggggttcgc atcctacctg gcgatgaaga cggggccgga gggcggcgac 120
 gcggcggcgg cgcagcaggc tctgatcgac gcgacactgc gggagctcgg cgtcgccgcg 180
 cggaagctcg ccaaccacgc attcgtcctc ggcggcgggc tgggggttcgg cacctccttc 240
 ctcaaattggc tggccttcct cgccgcagtg tatctcttga tattggatcg cacaaattgg 300
 aagaccaaca tgctgacagc tctcttgggt ccttacattt tcttcaccct gcctaattgtg 360
 cntgtttctc tgatcagagg agaggtgggg aaatggattg cgattattgg ctgtattctg 420
 c 421

<210> 25626
 <211> 414
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-C11
 <400> 25626

ggacagcgag cgattccttg gggcatgcat ggcgtcggac aactgcgcca acgtgtgccg 60
 cggtgagggc ttctccggcg gcaggtgcag caccttccgc cgccgctgca tctgcactaa 120
 gccgtgctaa attaacctac tcccggcagt tcgatggtgg acgtttattc tatttattgg 180
 cttacttgat tttttttccc ctaacaataa gaaaacgcac gtgctggcat gtacgttgtg 240
 ttgtatatgc ttttcttgct ggcttcattt gctgattact gatgagttgt aaggctccctg 300
 cacgatccat ttcacatgga tatgatgctt aattgtattc ctgcttatat ggtatctata 360
 ttttaattaat taatgatgga ccatcgagtt tattttgtat ttttgacata ttcg 414

<210> 25627
 <211> 411
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-A6

 <400> 25627

```

gccccacaca cacaaaagca aaaagcatca tcacaataat ggcccgcgcg tgtgtggtcc 60
tcgtggtgct cctcctggcc gccgtcgcg tggcgcgctt tgcgggggct gcgcgtgtgg 120
atgtcgtgga gggcaggtcc atggcgctcc cgcacgcgcc tgaggcggcg gctgacgcgc 180
ccgctcccgg tcccgactcc gcctcatccc cggactcgcc gtcggaggcg cccctccagca 240
gcagctcatc cgactagccg cgcacaacgc agttcttgtc atgatctatc tagcaaataa 300
aaagatcata tgtctcgttt gattctctgg aataactaat agtatatatg ctgcgcccgg 360
atgatatata aatatgtgca tcaaatgcgt gcggcaaacg catggaatgt g 411
  
```

<210> 25628
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-A8

 <400> 25628

```

cggacgcgtg ggccggacgc tgggtttcca tatattggta atagtttgat tagcgggtgct 60
atattaacac ttcacattct ttaagatgac aacatagata ttgtatggat tcttagtggt 120
gactcttccg agtcctagaa ctgtgtcaac catcatataa agtagttgct tcttcatgtc 180
agatagtcta tttgattttg tattgatgtg gacatatata tgcttgacat tgtgattatt 240
tgctaaaaaa aaataaaaaa aaaaaaaact ataaaaaaa aaagaaataa aatgaaaaaa 300
aaataagaaa ataataacaa aatggaacca aaaaaaaaa caaaaaacga aaaagaccgg 360
gaaaataaaa aaagggggcg ccccttttaa agg 393
  
```

<210> 25629
 <211> 289
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A9

<400> 25629

caggccttgg cggcctcagc agcgcggggtg cgtggactcg acgacgcgcg ggcactgcgc 60
ggtagcgcgga gcgcgcggca cctcggggcgc gaggatgcta ccccgtcgcc tgggcaggca 120
gccccggcgc acaagcacga gcgcgggtccc cagcagcgtg ctggctcgtg gccacggcgc 180
gagtgcgctg ccatggctgg gcgaccagge atcagcgcaa gcacatccca actcgggtta 240
cgccatggca ggggctgcgc ccaccgtcgc tgttcacttg gacgcaaac 289

<210> 25630

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B10

<400> 25630

cccacgcgtc cggacgacga ccacctcgcc gccgcccattg tcgtcgggtcc cggactgggc 60
cgacgccatc gtccccaaca gcaagcgacg gcgccaccgg tcgccgcccg ccgcttcac 120
ctcctcctcg cacagcagca gcaccacaca gaaagaggaa ctggaagacg aggaggagga 180
catggccaaa tgctcatcc tcctcgccca gggccccgcc gccattgagg cagctagagt 240
aatgccggca ccccgtagca ggccaaagag cacgggggagc cgcaggttct tggccgccgc 300
cgaggccaga ggtggtgtgt gcgtgtcgta cgagtgcaag acgtgcaaca ggtgcttacc 360
ctccttcag gccctcggcg gccaccgcac cagccacaac aagcatccgc gacggccagc 420
a 421

<210> 25631

<211> 418

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-050-Q1-K1-B11

<400> 25631

gaccacgcg tccgcccacg cgtccgccc cgcgtccgcc cacgcgtccg cccacgcgtg 60

cggccacgcg tccgcccacg cgttcgcccc cgcgtccgga cagggcgagg aaatggaata 120
 agacggctat tccaatccta atcgggacaa agttcgatga ctttgcccag ctctctcttg 180
 aaatgcaatg gaccattgtt aaccaggcca gagcatagc aagagcgatg aaggcgaccc 240
 tcttcttctc gagcgcgacg cacaacatca acgtgaacaa gatcttcaag ttcacacgg 300
 ccaagttctt cgacctgccg tggacgggtg agcgcaacct caccatcggc gagcccatca 360
 tagacttctg acgacctnct nctctagcta agtaattagg cagcacacac gacgaccc 418

<210> 25632

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B12

<400> 25632

atggcatgcc atgcacggat tgcaactcca acagctcaat taggtcttcc agaacttgag 60
 ttaggaatta ttccaggatt tggaggaaca cagcgactcc cagcactggt tggcttgaca 120
 aaatcttttg aaatgatgct gttatctaag ccaatcaagg gcggtgaggg acaccaactg 180
 ggtctgggtg atgccttagt ttctcctaag gatttggtga atactgctcg tcaatgggct 240
 ttggatatat atgaatgtag gaggccctgg atcaaaagcc ttataagac tgacaagcta 300
 gaacctcttg gggaggctag ggaaattctg aagtttgcaa gagctcaagc tcaaaagcag 360
 gcagctaata ttcacacccc acttgtttgt attgatgtca ttgaagaagg tatagttgca 420

<210> 25633

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B2

<400> 25633

ctttcgttat cctctctgat ctttaattaca ggcatagct aagcaggtct gacaggatgt 60
 cgtggcagac atacgtcgat gagcacctga tgtgcgagat cgagggccac cacctgacct 120
 ccgctgccat agtcggccac gacggcgccg tttgggcccc gagcaccgca ttcccacagt 180
 tcaagacaga ggagatgacc aacatcatga aggacttoga cgagcccggg ttccttgccc 240

cgaccggcct cttcctcggc cccaccaagt acatgggtcat ccaaggcgag cccggcgctg 300
 tcatccgcgg gaagaaggga tctggaggca taactgtgaa gaagacaggg caagcgatgg 360
 tggtcggcat ctacgacgag cccatgaccc cccgccagtg caacatg 407

<210> 25634
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B3

<400> 25634

cccacgcgtc cggacaaatt catatgaagt ggttgataaa gactagcatc agccttgagc 60
 ccctgctggc acaacttcat cattgtggc acgacttgac tccagatgaa tggaggatca 120
 tctataaccg ccatgaccgt gaccttggtta gttcgtctgc acaagatgat attgatgatg 180
 aatgggactt tgaaaatgct catgagattg tccttgaagc acctaacaat gttaatgact 240
 ggtaccctat agattttctc gtatttcac cttacaagga gattgtcttc ttttccttat 300
 catggaagac aatatcttat aatttgaata ccacaaaggt tcgacagctg ggctgcgcag 360
 ctcatatacc ggtgggcata aaaaccttgt tttcatacac 400

<210> 25635
 <211> 355
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B4

<400> 25635

cccacgcgtc cgaacacccc caccaagacc cgtgggcttg gagctggcaa ggctgggcgc 60
 ctcacctact gggagagcgc tgcccgcatg attgcggatg tctccaagtc tgacaagatt 120
 gttgttgaga agtccactgt ccctgtcaag accgctgagg ctattgagaa gatcttgacc 180
 cacaacagca agggcatcaa ctaccagatc ctttccaacc cagagtctct tgccggagggc 240
 actgccattg aggacctgtt caagcctgac agagtgttta tcgggtggccg ggagaccctc 300
 gagggcaaga aggccttcca ggctctcaag gatgtgtacg ctactgggt tcccg 355

<210> 25636

<211> 380
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-B5

 <400> 25636

 atccaagcta gcagctcagc tctccactcc ctctctgtgc tgtgctgtgt aggcggtcat 60
 tcatgcactt ggcgttcttg caattgcagc ccccttctcc tcctcatcct tgtcggggca 120
 gttagctagg tgagaatagt gcagtggagc tcaacaggcc agcgataagc aattaatgga 180
 ggtagaggct tgctacaact atggcttcct acctgcagac agaggcaggc accaaccacc 240
 acctgcacca catgccaccc ttcttcacgc tgcagaggat gcaggtgagc tgtgggagta 300
 cttcccttgc cccttttgc acatcgaggt ggaggtgccc ttcattctga accaccttca 360
 ggaagaacat tgctttgaca 380

<210> 25637
 <211> 394
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-B6

 <400> 25637

 agcaaagcaa agaggatcgg atcagaagaa aagaatagtt aggtcccggg gggggatcga 60
 acgaagctgc tgctgctacc ggccggccgg gcatgacgat gacacggacg atgtgcctag 120
 gcctgctgct tctactactg gcggcggcgt cgacagcgac ggcgctttca cggtcggcga 180
 tgtggatgag tacgtgtcca agcgacgcga ggagtccgc cacaggaaca acggtggcgc 240
 gggcatcgat gacctcatct ncagtgcggc gcgcttccac gccaacgtgg atgcacgcgc 300
 ctatggccgt agatccgacc tgcaggagga ggcaacagct accgtaataa ccaaagcgga 360
 agcacaagag gcttcagctg aaggcaagct ggac 394

<210> 25638
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-B7

<400> 25638

actagttcta gatcacttac aaagtcgtcg tgcaagtttg cgctcaaggg gctcaggaac 60
tggatgaagc ccgagaaggt acctgcggcc ataactacat tcccgtcctc cgcccaaadc 120
gtgccggagc cctcggcggt cgtgctcatc atctcagcct ggaactaccc tttcatactc 180
tctatcgacc cagtcattgg agcaatcgct gctggaaatg ctgttggtct gaagccatca 240
gaaatagcgc cagctacctc gtcactgtta gcaaagctgc taccgagta tgttgacaac 300
tcttgcatca aagttgtgga gggaagcgtt ccagaaacaa ccgcactctt ggaacagaga 360
tgggataaga tcttctacac aggtaatgga act 393

<210> 25639

<211> 353

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B8

<400> 25639

atccaatcca gtcgcctgat tgcattggga tcccatggcc aagctcgccg tcgtgggtcct 60
cctcgccgtg gccgcgtccg ccacagtgcc ggccgacggc cgcgataccc cgactgagat 120
caagctcatc aaaggcacgg acgcctccgg cgtgggacgac gacagcatgg agtgcgtgta 180
cacggtgttc atccggacgg ggtcgatctt gaaggccggg acggacgcga acgtcacgct 240
ggagctggcc gccgcggacg gcaacggcgt ggggatctcg aacctgcccg cctggggcgg 300
gctcatgggg cagggtact cctacttoga gcgcagcaac ctggacatct tca 353

<210> 25640

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B9

<400> 25640

cccacgcgtc cgggaacgca cacaccgtcc ggtccccgat ctccgatccc ctcgctcagc 60
caaagatgca gatcttcgtc aagaccctca ctggaaagac tatcacctc gaggtggagt 120
cttctgacac cattgacaac gtcaaggcca agatccagga caaggagggc atccccccgg 180

accagcagcg gctcatcttt gctggcaagc agctcgagga cgggcgcaca cttgccgact 240
acaacatcca gaaggagagc accctccacc ttgttctccg cctcagggga ggcattgcaga 300
tcttcgtcaa gaccctcact ggaaa 325

<210> 25641
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C1

<400> 25641

ctcgtcgttg gcatctacga cgagcttatt acgcctgggc agtgcaacat ggtgtgcggg 60
gatgctaacg actacgtgct tgaacagggc atgtaactac tacgtaccag ctggaatgca 120
tgtcgacgac tatggtttcg agtttcgact ttcaataata gtaacaacaa agcaaaggcc 180
ttcctcccg cgtatttgct ttggctcttc tcctccacgc cataagatat ctagcaattg 240
gtcactcgcc ttaattagtt cgctttgctt ttgacgttga ttcgaccatt ttgctgtaac 300
gtgaattgca tgcattggaca tgcaacgctc caatggcctt tggaatgtgg aaaaaattaa 360

<210> 25642
<211> 303
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C10

<400> 25642

gccaaaatac atgtgaattt gtcagcttat cttttctggc ccctacacaa actacggggg 60
aggttttttc agcatctagc ggactcacag catatcacct tccatgacct ctattccctc 120
tactacctta atcgtcatat tatcctgact attctatacc tcttctgata ctttcgctta 180
ctactatctt ccctactaca tcatacactg acgattttac taccaaacct gatacgcacg 240
gctattttaac catgtcacct catacattct tatccctaatt ttgacgcttg attacaaata 300
ctt 303

<210> 25643
<211> 372

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-A5

 <400> 25643

 ggcttcggca tcatggccgg cggcctcgtg gccatcgtcg tgtccgcgtg gggcagggcc 60
 agtttccccc ccccggccta cgccgtcgac cccgccgct ccacgcgcgc gcaggccgac 120
 ttcgtgtggc ggatcatcct gatgctgggc gcgatgccc cggcgctcac ctactactgg 180
 cgcaccaaga tgcccagac ggcgcggtac acggcgctgg ttgccaagaa cgccaagcag 240
 gccgcggctg acatgtccaa ggtgctgcag gtggagatct cagccggcgc cgccgaggag 300
 ggccgcgcgc ctgcgactgc gactgcgact gagcctgcgc cggcgctcgc gtccgcgtct 360
 tttgggtctt tc 372

<210> 25644
 <211> 399
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-G5

 <400> 25644

 cgccatggga ttccgaatgg ggaataataa caacggggcg agctcctcgt cgtcgcggct 60
 ggaccccgcg gcgcgcgtgc tgccgcgcca cggcagcagc gggggccgcg agggtggtgg 120
 cctgtcgtcg cagcccaaga cgttcgcaa cgtcttcac gcggcggtcg gcgcgcggct 180
 gctggggctg ccgtacacct tctcgcgcac cgggtgggcg gcggggtcgc tgctgctctt 240
 ctccgtcgcc gcgctcacct tctactgcat gatgctgctc gttgcgtgcc gacgccgcct 300
 cgccgacgag caccctaaga tcgcctcgtt cggggacctg ggggacgccg tgttcggcgc 360
 gcacggggcg ttccgcgtgg acgtgatgct ggtgctcag 399

<210> 25645
 <211> 407
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-G6

 <400> 25645

cccacgcgtc cgcaagacgg tgctcgaggt caacagccac gggcacgccca gcgtggcggtt 60
 tgtgaacacc aaattcgtag gatgtgggca cgggaccaag atgaacaagg cgttcacgct 120
 cgagaagccc atggacctga aaaagggcgt gaaccacgtc gccgtcttgg cgtcgacgat 180
 gggaatgatg gacagtggcg cttacctgga gcaccgtctg gccggcgctcg acagggtgca 240
 gatcaagggc ctcaacgcgg gcacgctgga cctgacgaat aacggctggg gccacatcgt 300
 cggcctcgtc ggcgagcaga agcagatcta caccgataag ggcattgggca gcgtcacatg 360
 gaagccagcc gtgaacgaca ggccgctcac ctggtacaag aggcact 407

<210> 25646

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G7

<400> 25646

cccacgcgtc cgcccacgcg tgcgcggacg cgtgggcgag agtacaagcg tctgcggcgg 60
 gcggaaacac gtgtcgttcg gcgacctgag cctcgcgag tggacgtcgt tcctggagag 120
 gttcgagcag ctgctgccgg cggcgctcga ggacaagaag tgcgctgtgc tagggacgtc 180
 gacgtcgctg tcgttctgac cgtgctacgt actgggtcaat cactaccgcc accatttgca 240
 tgcatacatg cgtgagtgcg tgcgtgcgtg gatgcaaaat aatacacgtg tgcattggcg 300
 tgtgctaggg acctactagc tccgtctgga tgccttttgt gtgtctacta cgtagggtcg 360
 tcgaccttgt acgggtggcat tggcatgcat gctgttgga 400

<210> 25647

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G8

<400> 25647

cccacgcgtc cgagtccact cttctggtec tctcgctttt gcgtccctt ggctcgtgttc 60
 gtcccttgcg cgtctcccg cgttttcgg atgccactc cgacaaaaac cctagctact 120
 tcgtgaaggt ggaggggagg agatggcggc agcggatggg cgcagcggcg acttccgggt 180

caggggtggc agcggttggg gtcggatcga ccgactgggtg gtggagaact tcaagtcgta 240
caagggtgag cagacgattg ggcctttcgt cgacttcaca gccatcatcg gccctaacgg 300
cgccggcaag tccaacctga tggacgccat cagcttcgtg ctgggcgtgc gctcaacgca 360
ccttcgaggc ggcgagctca aggacctcat ttacgccctc gacgaccgc 409

<210> 25648
<211> 345
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H1

<400> 25648

cagacaactc atagagacag ggatgctaaa taggggtacta tgtgggtggct tggatggcgt 60
catgcggggac attggtaaga gcctcagagc ggacgatggc actataccaa tgcacgcgca 120
ctagcaacct gactgatgcg tttgacgagt acttcatgaa gtctgccttc gggtgagact 180
ttgcacatta ttgtttcaaa gaacgttact atgctctatt gagccagagt tgtaactact 240
agcgagattg catcacaaat accctgtgaa ttgggtggct catgctacag gccatggtgg 300
agtgtcacgt acaaagctag actctgcgtg atttgctacc ttaac 345

<210> 25649
<211> 393
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-049-Q1-K1-H2

<400> 25649

ncaaccgtcg gccaaagcgtc cgatcttcat cgacatgaag tactgcccc acaaggggtg 60
tactgccaac ggcgcctcca aggtcacctg caaggatgtc accttcaaga acatcacggg 120
cacctnctgc accccggagg ccgttagcct gctctgcact gccaaaggtcc catgcacggg 180
cgtcaccatg gatgacgtca acgtcgagta tagcggcacc aacaacaaga ccatggctat 240
atgcacgaac gccaaaggga gcaccaatgg ttgcctaaag agcttgcatg cttctagacc 300
ctncatcgac tgacccatct ctctagttat aatttttctc tcgtcaaaaa aaaaaagca 360

acttttaaagc ttcgccatta aaggacctta tat

393

<210> 25650
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H3

<400> 25650

gaccgagagt atcgaagctg tcaggatgtc caagcgcgcc ggatggggag tgatggcaag 60
ccacaggagt ggcgagacag aggacacctt cattgctgac ctctcagttg gcctgtctac 120
gggccaaatc aagacgggag ctcccttgccg gtctgagcgc ctggccaaat acaaccagct 180
gctcaggatc gaggaagagc tcggtgatgc cgcggtctac gccggagcaa agttcagggc 240
accagtggag ccctactaag aaaggaagag gatggggatg ttttcttggt gagctatact 300
agctcgctgc tgccttttgt tacaatgttt gtacggtcgc aataaatgta tggctcgtgtt 360
tgctcgagag ctactcaggt gattttgtcg tgggagcacc aaaag 405

<210> 25651
<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H5

<400> 25651

cccacgcgtc cgatcacccg ccgtctagcg agcagtctgc caattacacc caatgagtga 60
taacatctcc tcgaacgccg ggatccttgg accactatat ccaggagcga cgaagtgatc 120
caccgcgcag cacatggaga tgaagaaggt cctgtgcgcc ggctcgcagc acgccgcctg 180
ggccaccgcc gtgctggcct cggtcgcctc cgaggcgccc tccgaggcgc ccgccggggc 240
ggacggtggt gctgctggcc ctagecgaag cggcgccctgc gtcgtcgtcg agccgcctc 300
gctggcgctc gtcgcctgct tactcgcta ctacctcac tgagcgacta cgcgcgggtgc 360
ggtaacgagc ggatgcatcg agtttg 386

<210> 25652
<211> 411
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H6

<400> 25652

cgaggattgg atggaggaag catttgtgcg acggatgaag gacatcgtgc attcagagtt 60

tgatatattg ggttctagtg ttaacgtgaa ggaatcaatt catgctatcg gtgccaatgc 120

tgatccaaag gatgctggag atttccttgc atacctgcgg aaatcttcaa agggtaggtg 180

tttctggttc tcagagtcta agatcaagaa aggtggagtt ttggcacact tgaaaccaat 240

tgctgatgaa aatgatttct gtagctgcct aacatcgat tttgggccag aagttagtcg 300

gatcaggagt gcaattgaca gtaaagtcaa gaatatcctg gaggatctgc taagctttgt 360

ggagtcacat aattcaacca caaggctgaa ggaattggtg ccataccttc a 411

<210> 25653

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H7

<400> 25653

cccacgcgtc cgcgtatttt ggggatttat gtagttatag cgaaatctag ggatccggaa 60

attaaaatgt tattataact taatacatTT ttgttggaac aattgtacaa tgttctggat 120

atttcctcaa agatttttga ggcattgtta tgtgggttaca tcacttgtat tttattctta 180

tgtactgtaa gtgagctaga aatctgtgaa gatctcaatt agatactcat ttcccttcct 240

catgtagtca tgtttttttg tttagacgat gcagtttcta ttggctcttg atattacctc 300

atcagagttt tttttctgcg ctattgcagt aactctattt cttgatcaac atcaacatgt 360

cgcgaggagga taatgtttac atggccaagc tggctg 396

<210> 25654

<211> 178

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H8

<400> 25654

tgcacgtatg cgcgaccatc gacgtgtgac tcagatgtag gggactctgc aaccggggca 60
 agctcggttg aactttggtt tactcgatca ataaccacgt gaacacgctg agtctcgag 120
 catacactag ccggtccgtg agctggtcac cgtgcaggta gaacttctaa cacgccgt 178

<210> 25655
 <211> 375
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A1

<400> 25655

gcgcgctccc cgtccttcgg taggtgcatt gcttcggtgg tccaccatgg cgcagggagc 60
 ggtggccacg atgacgacta ataagcccct tctcctctc gccctggcgt ccgcgctcct 120
 tgggtgcggcg ccggccgcgc cgaacgcgcc cggcggggcg ttcagcaact ggggtggcgat 180
 gaaccagcag agctacgcgc tgtacgcgca gaagtccgtc ggggacgggg gcaaggagcc 240
 cctggacaag aagctgtcgg aggcggagaa gaagaaggtc acgtacgtgg tggaccccag 300
 cggcaagggc gactacacca acatcaccgc ggcgctggag gatatcccgg tgagcaacac 360
 caagcgctg atcct 375

<210> 25656
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A10

<400> 25656

cggacgcgtg gggccgttgc aaaaagcctt gatagtcgat atcgcatgtg cagtaatggt 60
 gaacgtgagc agacattaaa ccaattgctc acggaaatgg atggctttga taccaactcg 120
 gctgtcattg tactgggggc aacaaatcga gctgatgttt tggatcctgc ccttaggcgc 180
 cctgggagat ttgaccgtgt ggttatggtt gaagctcctg atcagtttgg aagagaatca 240
 attctaaaag ttcatgtgaa aagaagagag cttccactga gtacagatgt agatctagcc 300
 aatattgctg caatgacaac tggttttacc ggagcagacc ttgcaaactt ggtaaacgaa 360
 gctgctttgt tggctgggcg attaaactaaa gaaatagtgg aaaaggttga ct 412

<210> 25657
<211> 336
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-050-Q1-K1-A11

<400> 25657

cgggggccgac cccagcaaga aggcctcctg cttcggcggc gggggcgacc accacccggg 60
gaagcccggc ccctccgcag cgaagctcgc gctcgcgtcc ttctcggcg tcatcatcct 120
cctcgccgcc gacgcctccc ttaccggcgc cggcgcgcac cgncgncctgc ggcagcagta 180
cctgcattac gtccggcgttg gcgttggcgt tggcgttggg ggcggaggca tcaccgactc 240
gctctcgttg ctctccgtgc cggaccgccc caacttcacc gacgacctac tcgcgcggtg 300
gctcgcgccc ggggggttccc cgtgccggga cgcgcg 336

<210> 25658
<211> 337
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A2

<400> 25658

cgcggctctc ctctgccccg caccggcacc gctagggttt tgccgccgac ctctcgggtg 60
cttcggggct ccgcgaggca accgtccgga ccggccggtc gaaatggtgg atgtggagga 120
ggtcgggaac aagatgcaat cgcagatgcg cctgcacgcg gagccggatg acgccgccgc 180
cgacctcccc ctcccggcgc tcttcgacag ggcgtcgcgg cttcacgccc tggcctccag 240
ctccgccctc gaccaggatg ggatccgcac cgggggttag ctgctgcggc gctgcgacga 300
gatggtcggc aggctcggtc ttttctcccc caacgag 337

<210> 25659
<211> 359
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A3

<400> 25659

cccacagtat ggctgtaggt aatcctgcaa aggtagttgg ttatacagag aaagaggagg 60
 cttctttaac tatgaaacat gatgcaagga gagattattht tgagcatgct gccatcagat 120
 tgagatgatt gatacaccta atgacgagtc ttctttctat tcgtctgtgg aatactgtgg 180
 agtaaaaaaa gttccaaatc gccttattgg caagaagttt tgtggagtta aaaaaaggtt 240
 tcgtcgtctt actcgcagga aaccttgtga agttaaaaaa aaaatgtttg acgaaacgca 300
 tacggatgcc attccggaca ttctgtcaca ggcacaaggc tggatagtcg atgagctct 359

<210> 25660
 <211> 341
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-A4
 <400> 25660

cccacgcgtc cggtcggtt agtcggcggc cgattccaaa gacagcagcg gaggcggagg 60
 catccaagtc ctctccgctc actttcctgc tcgacgcggc ctgggccaag ctcggttgcg 120
 tgctggaccg gctacgcgaa aacgacagcg aggaatctgc catgtaccgg ggcaccatca 180
 ggcgccatgt ggacttggag actctgcggc gtcggctgaa cgcgtcggcc ggctcgcgcg 240
 ccgacgatga cagccactcc tctgcgcacg agctctatcg cgacctgctg ctgctctgca 300
 ccaacatcgt ggtcttcttc ccgggtggca cccccgagaa c 341

<210> 25661
 <211> 403
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-049-Q1-K1-G3
 <400> 25661

gcgaagcgag caaaccacgc catggagaag gcgatcgatc ggcagcgggt cctcctggcg 60
 cacctcctcc cctccccctc cgcgcctcc tcgcagcctc agcttgccgc gtcggcgtgc 120
 gcggccgggg acagcgcgcg ctaccagagg tcctcctcct tcggggacga tgcgtcgtc 180
 gtcgctgcct acaggacgcc gatatgcaag gccaaagcgag gaggcttcaa ggacacctac 240
 ccagaggacc tcctcactgt tgttctcaag gctgatctgg acaacactag aatcaatcca 300

gctgacatcg gtgacatcgt cgatgggacg gtgctcggcc ctgggttccca gcgtgcaaac 360
gagtgcagga tggctgcgtt gtttgctggc ttccctgaaa ccg 403

<210> 25662
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E2

<400> 25662

gcaaattaaa gagggatcgg attggaactc gatcggaagg aaggctctgc aggccggctg 60
gccggtcgtc gatcgaggaa ccaagctgct gctgctgcta ccggacgaca ccaaccatga 120
tacggaggac gacggtgtgc ctaggcctgc tgcttctact actggcgggc tcgactgcga 180
cggcacattt ctcgatcggc gacgtggact agtacttgaa caggcgacg caggagtccc 240
gccacaggaa ccacggcggc gcgcagatca atgacctcat ctacagtgtc gcgcgctttc 300
acgccaacgt ggatgcacgc gcgtatggc gccgctccaa cctgcagctg caggaagaag 360
aagcagcagc taccgcggtg cgtgtaacca aagcagaaga acag 404

<210> 25663
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E3

<400> 25663

cccacgcgtc eggctctctc tcctctctcg gccttcttcg cgtgtttccc tctttgggtg 60
aggccgccct ctacacttct cgacataacc atcgagaggg cggtcgagag aaacgagagc 120
ggcagacacc atggggagct cgaggaccat cgttgctcc gccctgctcc tcctcgccct 180
cctcctctcg gctttcgcg gcaccgtcga ggcccgcggt gaccccgagc tgtttgccga 240
ggaccaattc cagcggacat gcaaccaggt gcacttgagg aagatgtgcc agagcttgac 300
gaggctcccg agggtgacaa cgccgcgcga actgctgcta gcgtcgatgc gcgtcgcggc 360
cgacaaggcc aatgaggcca agagccgggt ggaccagttc g 401

<210> 25664
<211> 336
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E4

<400> 25664

cccacgcgtc cgtgtatctc tcctgtttcg gccttgttcg cgtgttcccc tcttttgctg 60
aggccgacct ctacacgggt cgacataacc attgagaggg cggtcgagag aaactagagc 120
tgccgacacc atggggagct ctaggaccat tgttgcgacc accgtgctcc tactcggcct 180
cgtactactg gctttcgcag acaccgacaa cgctcgtgtt gttgcagaac tgtttgggta 240
ggaccaagtt cagtagacat gcatccaggt gcacttcagg aagaaatgcc tgagcttgac 300
aaggctcccg aggggtgacag ctctgcgcga actgct 336

<210> 25665
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E5

<400> 25665

gataggcgtg cgtctagaca gtccgggtgg tgagtggcct cagccttgcc tacggcgacg 60
catgaagcac tgatccgtgt gttgccctac gagttggcaa gaagaaactt cagacgagcg 120
tgaagaagag atctgtgaac ctcatctggc acgaggagct aactctgatc gtgacatatc 180
ccaacctatc tctgaagctg taggtgttag acaaggacac gttcatcagg gacgacccga 240
tggttgacga tgataatgac gtggcgacaca ttgtggaagc agcgatcgcg agcacagacg 300
cgtgcctgag gaacgggacc atcatgctga acgggcagcc gatcgccacg aactgcc 357

<210> 25666
<211> 332
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E6

<400> 25666

gtgaatcgca gttcaataca agttggcatg acagcaatca agtacatccc tcaggcgagt 60

catgaacttc aggcggaaga gcacaattgg ttggagcgtt ggcaatatat tacttgatct 120
cacaggaggg gtgctgaatt tttgtcagat ggggtgtgcag tctatagatc aacatacttt 180
ggatgaatttc tatggaaaca ttgtgaaaac ctttctttca ttggagacgg ttttctttga 240
tgtcctgatac attatccaac actacgtgtt gtaccctgtc tagaaggacg agaatggtaa 300
ggcaatcatt tctgaaaggg tatccccct ta 332

<210> 25667
<211> 400
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-049-Q1-K1-F1

<400> 25667

ccctccggcg actcatcgcc ggcgagccgg tccgccacgc catagcctcg tcctgaagcg 60
cacttaatcc tacgtctcgt tcctctctcg cccccggtac cctccatagg catgggaatg 120
gggtctgcga gagggggcgc agggggctgg ctccccggcg agcgggtggcg gcgggtcatc 180
ttcctcgtc tgggcgccgt ctcgcttcctc atctcactca tactcctctt cctatccgcg 240
ccgctgtctgc gcctcccaag tgctgtcctg ccttacacca ccggttcgc ttctgccgtc 300
cgccgcgggc ccggcgagcc gccctgcctg gcgtacctgc tgaccggcgc gcgcggcgac 360
gggcgcgcnc tntcaggct cctnctcgcg gtttaccacc 400

<210> 25668
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F2

<400> 25668

cagccaactc atggagacag gtaggctgca tacgggactt agtggtggtc tggatgagat 60
catcctggac atgtttaagc cccaccgagc agacgatggc gctatattca ttgatgggca 120
ctagcaactg gtctagcaag tttcagttgt ctacatcaag tctgccttcg tgtgagattt 180
tccgcatttg tggttgaaga cgggttttac gctcgattga gccaaagttg tttatcgtag 240

caagattgca tcacaaatgc cctgtgcatt tgggtttttca gagctagcga ccatgttcca 300
atgtcacgta caaatataaa ctatgtggta tttgctacct taactcgtat tgctatgtat 360
tcaagacatg cgttaactgt ggctatcgtg atatatacag catg 404

<210> 25669
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F3

<400> 25669

cccacgcgtc cgcccacgcg tccggcctga atcctgtgtc attggacgct acatgcctgg 60
agagaatgga ggattcagtt actatagttg atcatggcaa aaaggctgaa aaggatgatt 120
ctctgttata gtgggcaagg tcaccagacc gattacttca tcaagatata tgtcttgcatt 180
tggctagctc ctttgtcctc ttgaggttgc ttcatttcct tcttcctaag cttaatgcat 240
gtatgaagca agcctggagg atgcgactgt atgaattgaa taggttggtt cctagcttgt 300
cttgaggaag gcaatatgga actagaaaac ttcaactgac tctcgaataa ggcagcatac 360
ttataacaag tgatgcagac aacaaaccgg atcactagga ag 402

<210> 25670
<211> 283
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F4

<400> 25670

cgcacgcgtg cttcaacgcc tccgggttta ttcctgactc atatagacgc tccatgcggc 60
gggcttaaga attgtttagg ggcctctgtt catcatggta aacatgctaa ttatgttaac 120
actggctgat tgtatgggac ctcttcagag cattcctttc tccaaggttc ttaaaaaaag 180
tgactaacca tatgttttca gtgtaattat gaataggtat aggaaacttt ggcttttgaa 240
tggaaaaact ttctcatgac acaacgaatg gaaataaaaag gtg 283

<210> 25671
<211> 386
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F5

<400> 25671

tctacgtgtg cgctccaatc agatcgtcag atagatcact ggccccgtgc tgatgggggc 60

gcttaccatc tgagcagcca gacttccacg ctgcagggag agacgcaaag gatacaggtg 120

ctgcctggct gagacgatgg ccggaggcgg ggaccactcc cacaccaacg gaggccacgt 180

cgaccagagg gccttggacg agggcatgaa ggaggagtgc gctgaccagg gctgcgtgca 240

catggtcgtc ttcgacccat gctatccaga agatcatcac tgacagcttc ggcacctact 300

tcttgatgtt cgccgagcgc cgtgcggtga cgatcaacgc gagcaagaac ggccagaaca 360

cgtacccagt cgtggagatc atgtgg 386

<210> 25672

<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F6

<400> 25672

cccacgcgtc cgcgagcgcg tgggtgcgtc acccgattcg ggccgggctc gggacgcgtc 60

cttaacaagg gcttcaacgg cctaaggcct tgagtttagc cgaaccatgg cttcaagcac 120

tggttcattt gatgggacct gttgggggca ttcctcttcc gaaggctctc aaaaaatgtg 180

actagccata tgttttcagt ataattatga atagttatag gaagcttcgg ctttggaaatg 240

gagaacttct ctcatgacag aacgaatgga aataaagggt gggcgacgaa gctagaatcc 300

aaaagacttt agctggacat gttgacgaag ctcaagtatg ataacgactg aagaaggata 360

aagaccatac agtcataata attcttggtta aaatcataga tagt 404

<210> 25673

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F7

<400> 25673

cccacgcgtc cgccacgcg tccgcatgaa tggacgcaca accgggtatg ttgcgccggc 60
 aattccgtgg tgagaacgaa gacagagaga aagaaccgag ctgtgccatc gccggtgggc 120
 tcgtcgttgt cgctgcccc gtgccgtgcc gtgaagctcc acctgtccat ggagaagtta 180
 ttatggcctc gccgcgttga accggcgccc ggggctcggg aattcttcac cggagaccgc 240
 gaaccactg tcctccgtgg ccagcctctc cgctgactcc ttctctgcgt gaggtcacga 300
 gtcacctgat gagcaagttg gtacctggaa tctcaagtc caggtcaaga acatgtacca 360
 gagaatgagg cgcttgagg atgcggtgat gatttcgtga 400

<210> 25674
 <211> 230
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F8

<400> 25674

ctgacttttt tttcttatta tacgttttat gcgcatttta aggtgttatt gtaggggggtt 60
 ttttttttgc agttggagta tgacaggtac taaactaatg cacaataaaa acaatgaatg 120
 cctctatgaa agacgagtaa tgacactgct ttgaaatggg cctgactgac gaaaaagaaa 180
 aaactgacgg tactttttta ggacactatt gaaagcacat gttctatgca 230

<210> 25675
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G1

<400> 25675

ggcggaattg gcgggtggaa cgctcctcc ggccacgcgt acgcccacgc gtgcgtatta 60
 atggacgcac aacctggtat gttgggcggg caattccgcg gtgagaacga gtacagagag 120
 aaagaaccga gctgtgccat cggcgggtggg ctgcgtcgtt tcgctgcccc agtgccgtgc 180
 cgtgaagctt cacctgtcca tggagaagtt attatggcct cgccgcgttg aaccggcgcc 240
 cggggctcgg gaattcttca ccggagaccg cgaaccact gtctccgtg gtcagcctct 300
 ccgctgactc cttctctgcg tgaggtcacg agtcacctga tgagcaagtt ggtacctgga 360

atctcaagtc ccagggtcaag aacatgtacc agagaatgaa gcgcttggag gatgcggtga 420
tgatttcgag ag 432

<210> 25676
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G2

<400> 25676

cggacgcgtg ggcggacgcg tgggaggacg cgtgggcgga cgcgtgggtt ccattcgctt 60
agtaaagtta gacttctgag tagtggtcata tactccaatc ctaatccaag aagatgaatg 120
agatttgaag ttattgtttc tatatttctc agcgtagtag tagaaagtga tgaagatata 180
gtgcaaacctt tgatatattc ttaaacattg tttggcacag ctagttcata tttcaccatg 240
ctgtattact aaagggtcaga tgttcctaag tatattgtat tcttatcagc gttctgctct 300
ggaagatata caaaagatga ttcgggagtt gcagcttgat gagaaccgga aaaggggaatt 360
ggcaactgcc cttcacgttc agttcaagga ttggttatac ggtaacgc 408

<210> 25677
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E1

<400> 25677

caaagcacct ctctctagct agctactaga cgacagctag ctagctcctc aacgacgacg 60
cagtagtaca tatggagaag gcggcgggag tgagcgcggc gaggtggcc gtggcggcgg 120
cggcgggtgct gctgtgcctg ctgctgctgc tggcggcggg gccgcagggg gtctccggcg 180
ccgacgggag gaagaagacg gcatcgccct acgataagtt gatcagctgc aggggtgctgg 240
gcaactgcga caagaacaag ggcccggagg ccacccgccc cggaagccg gtcaacaagt 300
acacccgcgg ctgcagcaag atcgacaagt gccgcgactg atcaatcgtc atcaatgcag 360
gcagccggag ctatatatat cgtgtcgttc tcgtaccgtg tgca 404

<210> 25678

<211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-C2

 <400> 25678

 cccacgcgtc cgggtgatttg aaataattgg gaataaatag ttcgtgaatc cctgaagcgt 60
 gcatatatat attcctgcc aagataaaggt aatggagtcg tcacgcaggt tccagccggc 120
 cgtcatcctg cttctcctgc tcatttgtgc caccgatatg gcacaggcaa ggggaatgcga 180
 gaagtacagt gagcgatttg ttggggcatg catgatcgca gacaactgcg ccaatgtgtg 240
 ccgcggtgag ggcttcttgg ccggcaggtg cagcaccttc cgccgccgct gcattctgcac 300
 taggcagtgc taaacaagat cgctcgatcg ctcgccatgc atcgacaacc tattcttaat 360
 aacgttcatt atctcgttct tatttatgac gaatgtcatg tatg 404

<210> 25679
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-C3

 <400> 25679

 cggacgcgtg gggtcactgg agatgactgt tgtgagtatc atgtggtcgc tagtgcaggt 60
 gcatgtgctg gtgggtgggg cactagcatt tctggtaggc ggtgcctggg gtggctcctc 120
 caaggttccc ccgggtaaga acatcacggg caaatatgga agtgattggc tagatgccaa 180
 ggcgacatgg tatggcaagc cgacaggtgc tggccccgac gacaatgggt gcgggtgccg 240
 gtacaaggac gtgaataagg cccctttcaa cagcatgggc gcgtgtggca acgtctccat 300
 cttcaaagac ggtctatgat gtggatcctg attggagatc aagtgcgaca agccatcata 360
 gtgctctggc aagcacgtgg tgggtgtacat tacggacatg aacta 405

<210> 25680
 <211> 257
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-C4

<400> 25680

ccgacgcatt cggttcattcc aaatgattga caatagatgc atcggaatc tactgagggg 60

gcttgtagag attgctgccg cgattaacgt catgcacccg tggcccatga tcctgtgcgg 120

ccaccatgcc gtgctcccgga tcactccttg ccacggacac tgatggctca aattacgctc 180

agtcaccata aggatgatac cttactcctt ttactgtccc tgatcatttc tccactgttg 240

agacccggca agggcaa 257

<210> 25681

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-C5

<400> 25681

cttacgcagc aaatgggtatg tctgggtgtgc tcgagctttc agaggcatcg attgaggcat 60

ctgggtgcaaa agctgctgca tgtggaactc tttcggttct ttctcaatg tcaaataaag 120

tttacaatga ccaaggaact ccaccagcat tcacagttcc tgcagggtgct gagattcctt 180

ctggatccat tgaggacgcc ttgaagaaaa gtggatcaat cacatcctac actaatcttg 240

tagagaggat cgaaacagct catattgaaa atggtgaact tgatagccta tcctcgaagc 300

tacaagcaac tgtttcaact ctttctccat cggaagaaat cattgaatct ttgaagaaaa 360

catttgatca gaatgttoga ctaattgtga gatctactgc 400

<210> 25682

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-C6

<400> 25682

agcgagtggg agagcccgca gccatgagat ggtatgcac ggtagcctcc tgagggcgct 60

ggtcctgagt gcggcggcgt ctgcgggcag gcgccggggg cccaggatcc tgtgtggcca 120

cgaggcggat gtacgcgtga ctctcggca cggacacggc tggcgagat tccgggcagt 180

cacgggaagg atgatgctgg actcctctga ctgtgcctct gctgccgtcg acgcggagac 240

ggggcaggtg cagccgcagc gccgcgcggt gggggccgtg cccctggcgc acgacggcgg 300
 ctacgccagc ggcggatggg agagagaaga tggcgaactg agttgtggat actcaagttt 360
 tagaggcaag agagctacga tggaagattt ctatgatgta 400

<210> 25683
 <211> 401
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-049-Q1-K1-C7
 <400> 25683

gactagttct agatcggcgt tcagacgcct ttgccaaaaa gacgctacgt atcgggtgta 60
 ttcgcgcagg gtcaactgca tcaacaggaa gatcacgaag ctccagcaga ctgaggctag 120
 ggttggtccg agggggctgt tcgccgtgaa gcagaagatg gaaatgtaca agcgcgagaa 180
 ggcggagctt tacgacgtga tcaacaaagg aatgcaggag aacgagaggg gcggcaacag 240
 cgggtgctggg ccttcgaata gggctgctgc cggtccttct tcccatgaag ctgctgccag 300
 cagtccttcc aacactgcca tcccttccga cggtgctgat acatcaaagg acgatgatgc 360
 cagtccttac agcgttccct cttccaactg tgctggctct t 401

<210> 25684
 <211> 399
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-049-Q1-K1-C8
 <400> 25684

cccacgcgtc cgacctcatg tacccttgt gttgtatata aatggaaatg gaggggtact 60
 tgagcgcgtg aaggacacaa gagttgatgt tattgggctt gactggacag tggacatggc 120
 tgatggaagg aagcgccttg gtaatggaat tagtgtacaa gggaatgtgg atccagcatt 180
 tctgttctca ccattaccag tactgactga tgaaattcgt agggttgtga aagcagctgg 240
 taaaaaggt cacatactta acttgggcca cggtgtactt cagaaaacac ccgaagaagc 300
 tgtagcacat ttctttgatg tcacaaggag cttgagatat gacaccatt tccaaggttc 360
 tgttgctgaa ggattgcagc ctgtagcttg attcgtagt 399

<210> 25685
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D1

<400> 25685

ccgacgcgtg ggcagacgcg cgggcggacg cgtgggcgga cgcgtgctcc gacgcggggg 60
agcgaggcgc gagaaccgag tagccaccgg ctgatcaccg tctatcagta tccctcgggg 120
cgcgcgcgcg ctcgagacat gccaacgat cgccaggccg gcagccatgg ccaagcacgg 180
aaagcgcagc cacgacgcgc aggcgacgct accactccag gacaacgagc ggcggcaagt 240
acccggccat gacggataac ccgcagctgc tgagggccct cattcccaag gagtacgtga 300
ccgcagtgcc tgcagctgct gctgac 326

<210> 25686
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D2

<400> 25686

cccacgcgtc cgctcgttcg ttcgttcggc ggctggggtt tttcaatttc aggtggtgtt 60
tgcaacttcg gatcggatgg atcatttatt tgaacatgtt tttggtttgg tcagagttag 120
atcatcatga aaacatggag gtgacatata agtcagacag tcaccaccaa gatttgcaac 180
gctttattcg tggatgggtc gtcgtggatg tttgcaaaca aaattccagc atatttctat 240
cttttagtat atccgaatag agtagatgga ttggatagag catggcactt gctttctgaa 300
tctgaacacc gacttttggg agtgctcttc tgctcgatca ggtgggagga gtgaagttgg 360
ttggactcca gaccaagtcg ctcgaaatta ttgatataac aatt 404

<210> 25687
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D3

<400> 25687

cccacgcgtc cggaccagca gcaggaaca tcgtccatcc gagctaagta attaggtgga 60

aaatgacctg tgccagcagc agtagcagca gccggcgtgt gacgctggta ctgctcggtc 120

tccgcctgct gcttctggtt ggtgttgccg aggcggtagt ggagttggtg cctgctgatg 180

ataatatcgc cgccgccgct gctggcacgg cggaggacga tggcgagccg cctcagcagt 240

gcgcgacccc ggtgagcgtg gaggaggcgt gccgcggcgc gtacgagacg cagccggcg 300

tggcctacga ccaactgatg gcgtcgctgg gcgcgacccc gcgcagcaag gaggccggca 360

acaagaacat gcacgggctg gcggtgctgg ccaccaggat 400

<210> 25688

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D4

<400> 25688

cccacgcgtc cggaccagca ataggaaca tcgtgcgtac catctaagtc attagggggg 60

aaatgacctg tgccagcggc agtatcaacc tacagagtat gacgctggta ctactagctg 120

cttcatctgc tgataatggg tgctgtcgcg taagtgggag cgtaattgct gcctgctgct 180

gatattattg ccgtcgtcga tgctgacaca tcagctgatg atcgataacc gcctcagctg 240

tgatagacca tagtgag 257

<210> 25689

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D5

<400> 25689

acctatactg agcatacgcg gtcatacaact gacaggacaa ctgaatagta ccagcgggtga 60

gtcaccgtcc gcacactgac cgacatccac gagtcagcat gcgactacta gtacaggaca 120

tcctctcgat gatgctcatg ctacgggatt agcacaagac catgacgggtg gtgcatattg 180

acagtaatca gaagaacgct catacatgac cctatctgcg ccagcactac taccgacgac 240

agagatgacg ctaattgaga acacacatgt cggatacaca ccaaggctac tacagaagac 300
 gtagaaagtg ctgacatact ggtatacatt cagtaattgc cagctgacga ac 352

<210> 25690
 <211> 404
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D6

<400> 25690

cccacgcgtc cgcgcttcgt cgtcgattcg catggatcca taaaaggctt ggctctggca 60
 tccgcgcgtc ccccatcgc gttgtcccta gagaggaagc aaggcacatg accaccgtct 120
 ccgggtggga cgacgagtcc gtcctcctca atgtgatggc cattgaggcc accctcgtct 180
 atgagtccca tcgcaagagg cgagcctcca cctgctccaa cgatgacgac accagatcca 240
 acaccaaata cggagataca gttgacaggc ctctctctt ccacgctgcg aaggtgactt 300
 gtgtacttag caatggtgca aatcatgccc atccacgaga tcttggcctc aacgctgatt 360
 gagaagatga cgttgcaaat atttcagact tgtagagccc tcga 404

<210> 25691
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D7

<400> 25691

cccacgcgtc cgcggacgcg tgggattgct ttctgagcta gataggctac ggaaagagca 60
 tcataattta cgatctcagt ttgaatttga gaaaaataca aacgtcaagc aagttgagca 120
 gatgcggaca atggaaatga acttgataac catgaccaa caagctgaga agttacgtgt 180
 tgatgtggca aatgctgaaa gacgggcaca agcagctgcg gctcaagcag cagcacatgc 240
 agctggtgca caggtgacag ctctgcagcc tgggacagct caagctacca cggtttcagc 300
 agcagcagcc acagactcat atgcaggtgc atataccagc taccctctg catatcagca 360
 gggagcccag gctggggcat atcagcaggg tgctc 395

<210> 25692

<211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-D8

 <400> 25692

 ggtagacgct gtgccacttt caagtgctat ggacctgggt tagagaaaat atggcgcgtc 60
 aaacttagat acgctgaagc catatacttt cttgggacag attttatcaa cagagattca 120
 tggatcctgt ccataccacc tactgatgct gaaacattgc tatcagtttg aatatataga 180
 atcctcagag atcatcaaag atcatcatct accactaatt aataatgagc caaattaaat 240
 aagttttgcg tatatatattt atccctatct ataaattatg catgtgttgt aaacaagtcg 300
 tggatgggct tcatttgttc tcgcgattga aaaataacaa ataaacaaag tagaaaagag 360
 gatgaaccag aagtcttggt cagcaagaag gaaggaggaa tg 402

<210> 25693
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-B7

 <400> 25693

 gcgggatcag cgttgctcaa cgctctcgtc ctccgcgcgc catccccgtc gctctgggccc 60
 tcgtctaagg tccgcagcgc cggcgccctt gtgttctcga acccaccgcg cttcccatcc 120
 ctgcgttctg agcgcccggt cgcccttcgc cgggcggcgg cgggcgggtga ccccgaggac 180
 gagtgggtgc cggagcctga cgggtgggtcc gctgtcactg ggaccgcggt ggctgaggcg 240
 ccggaggcgg gagaggctgc agagctcaag gcgcagctaa aggatgcgct gtacggcaca 300
 gagcggggcc tgcgggcgtc cagcgagtcg cgggccaagg tgttgagct catcacgcag 360
 ctcgagacgc gcaacccac gccggcgctt accgaagcgc t 401

<210> 25694
 <211> 81
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-H5

<400> 25694

cccacgcgctc cggatcgtaa caatgcaagg ttgtgttgta tataactctt gtgtttggaa 60
tgccgcccgt aattaatggc c 81

<210> 25695

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H6

<400> 25695

gtagatccg tagcgccgcc cttttttttt ttttttattt tttttttttt tttttgggtt 60
gggttttttg ttttttgtgt tttttttaa taccatcaga agcgccaaca aaataacttg 120
atttcaagca tttgaggcac atacgtaagt attgcagaga ccaagttctt actctgatct 180
tagttttttt gcaagtgcgc aatccctcac catacaggca ggaaactggg aacgagatgc 240
aactttctca taaaaattgg gttgcgatac agaatgcatg acaacacaca ttatctttga 300
cagcaaactg tagcatccac cagttgttca gatcagattt gtgactgacg gagatcactc 360
gggcggaaac aaccacaccg ggaaac 386

<210> 25696

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H7

<400> 25696

ctcgccctcg ttgcggctgt ccacatcctt ttctctcttc ctcgcccggc caacctgatt 60
gttcttcaac caagaggaag aaaggaagga agggaccgga agcatcagcc atgtcgaact 120
cggcgtcggg aatggccgctc tgtgatgaat gcaagctcaa gttccaggag ctcaaggcga 180
agaggagctt ccgcttcctc gtgttcaaga tcaacgagaa cgtgcagcag gtggtggtgg 240
acaggctagg ggagccaggc gagagctacg acgccttcac ggctctgttc cccgccaacg 300
agtgccgcta cgccgtgttc gattttgact tcgtcactga cgagaactgc cagaagagca 360
agatcttctt tatctctggg gccccggata catcgagggt gagaagcaag atgctgtacg 420

cgagc

425

<210> 25697

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-H8

<400> 25697

tccggttcct gaccttgaaa ataacagcga cggctacaaa gataacagca gtaacgacgc 60

tacgggcttt gaggatgatt cgtcaaagaa gaccaactga ttcgaccttt ctttaaagat 120

ttcgaaagac caactgattc gacctttatt tgaagatttc gatgagagcc gcaggttgtc 180

tagttcatTT tttctccttt taacctctgt gctgtgcacg tatcttcgcg ggcttgacc 240

agattgcagt ctggtacatc tcctttggcg cttcaattg agtccagaat ttcacatgat 300

ctcctgtatc cttctccatt acagtccgct cttgccttat ccatgtacat gctgctacca 360

gacttgggtgt aaataggact atgtgatgaa cacgttcana aaaaaaaaaa agggccggac 420

gtt 423

<210> 25698

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H9

<400> 25698

atcgagagga gaaccagcag cctccaataa gagccagaca gagatactaa tatagctgtc 60

ggcgtcatca tccgagcgaa caagccaacc gaccccggtc ccaaggcaat ccgccgtcga 120

cgtaccacca ccaccgcagg agcgagatgg agatgaagag gatcctcttc gccgtcctcg 180

tcgtcatcgc cgtctcggtc accgcagtgc tggcctccac cgaggccgcc gacgctggcg 240

ccccaactgt ctccgagtcg taccgcgagg ctcccgatgg cgctggcgct ggcgctgccg 300

atggagccgt cgcctcagag ccatccggca gcagcggagc gcccaccctt atcgccgtgc 360

ccgacgagct ccttttctca ctgctggcct actaccttca ctaagcgtgt gcgtgcgtac 420

gttctcgcgc atggacgacc attgatacgt 450

<210> 25699
<211> 275
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A1

<400> 25699

cggacgcgtg ggcgggttcg tcaccacagg caaggccatc cccacgcacg ccgtcggcgg 60
gggcatcagc gagctggagg gcgctcgtgtt cgaggtcgtc atcaccttcg tgctcgtcta 120
caccgagtac gccaccgacg ccgacccta gaagggtcgc ctcggcacca tcgcgcacat 180
cgccatcggc ttcacgtcgc ggcgaacat actagccgcg gggcccttca gcggccgctg 240
catgaacccc gcccgcttct tctggcccgg cgtca 275

<210> 25700
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A2

<400> 25700

gccttgcccc gtgtgcaccg acgaaaccag cgacagcagc acagagacga acggcgtggg 60
atcctcctgc ctcagctgct tcctagctgg gggtgctctc taccgtttcg agtacgcagt 120
caaccggcgc ctcttcctcg ccaaagcgcg aggagggacg tgcacgctcg ctccctctga 180
ccctgacgac acgggtggctc gccgcgccag atacctgctg agcaacgggtt tcaggtgcta 240
caacctgttc aagagcaact gcgaggactt cgcgatatac tgcaagactg gccttcttgt 300
cgctgagcag ggcgttgctg ggcagagcgg gcaggctatc tccatcatcg gtggacctct 360
cgccgcggtg gtctcgaccc cattccgctt ggctaccacg aa 402

<210> 25701
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A3

<400> 25701

cgctctctac cgtccgagac cccaagcacc agcgcggcgg cgggggcgga ggcggcggcg 60
 accatggctg tcggaagaa caagaggatc tccaagggaa agaagggtgg caagaaaaag 120
 accgtcgacc ctttctctaa gaaggattgg tatgacatca aggcaccgtc ggtgttcagt 180
 gtgcgcaaca tcgggaagac tctcgtatcc aggacacagg gtaccaggat tgcttctgag 240
 ggtctgaagc acagagtctt tgaggtttgc ctagctgac ttcagggcga cgaggatcaa 300
 gcttacagga aaatcaggct ccgtgctgaa gatgtgcagg gcaagaatgt gctcaciaac 360
 ttttggggca tgaattttac cactgataaa ctcagatccc tagtgaag 408

<210> 25702
 <211> 257
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A4

<400> 25702

ccgtcgctac ctgtggacag aaaaaactat cgagcggggg tcatagacca acgacgaggt 60
 ggcttcatg gtgaactgga tgctagattt tcgagctcta tgctggctct agtacttaat 120
 caagacgatg ctcttcgtcg caaaagcgcg acgagactac gtgcacggtc aatgcctctg 180
 accctcagta ctcggtatac tgtcacgtct gatacctgct gaacaactgt tgcggtgct 240
 gcaagctgac cgagagc 257

<210> 25703
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A5

<400> 25703

gacaaaacat ggctgtgaat gtgagaacca tgtggtcgtc gatgcgggca caggttgcga 60
 tggttgtggc gttggtgttc ttggtgagcg gcgcatggcg cggctctccc aaagtcccc 120
 caggcaagaa catcacggcc acctatggca aggactggct ggacgctaaa gcgacatggc 180
 atggcaagcc gacaggtgcc ggtcccgacg atcacggtgg cagctgcggc tacaaggacg 240
 tgaacaagcc cctcttcaat agcatgggcg catgcggtaa catccccatc ttcaaggatg 300

gtctgggttg tgggtcctgc ttcgagatca agtgcgataa gcctgtggag tgctccggca 360
agccccgtggt ggtgcacatc acggacatga actatgagcc ta 402

<210> 25704
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A6

<400> 25704

cccacgcgtc cgccccacgcg tccgctgtcg cgtgggcgga cgcgcggtat cattgggggg 60
attgctattg aggtgatatc tataatcatg tggtatgtac cgttgttcgt tgtcatggat 120
cttgggtcaa ttactctgca aagagcgtag agggacgtct tcaactcgctt gctatgacca 180
tgtccacacc gtgagttgcc gatccagata ctatgctgaa caacatgctc atgtgctaca 240
atcatgtcga gatcatctgc taggactacg acatatactg taatacttgt ctttatggcg 300
ctgatcaagt ctttgttctg ca 322

<210> 25705
<211> 361
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A7

<400> 25705

cccacgcgtc cgctccaacg cctcctctcg cccgtcccca tttgagacaa atccgcgtgc 60
gtccatctag agagagagag agagagagag gaagcttctc tgattccgcg ggtcggctcg 120
cccgacatg acagagataa agcaatgatt cgctccggct agcatcgcat ctgatcgatc 180
actctcaatc ccctgcagct cccagccacg gcaccacggg cgtcgatctc tcccagacat 240
cagcgccgac gcgggcctgg gggcagcgta gatctccac cctgctgaca ccattgacgc 300
ctagccggcc gaccattca ggatcggaca cgtacaagaa cgaccagaag gcgcgcacct 360
c 361

<210> 25706
<211> 403

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A8

<400> 25706

```

cccacgcgtc cgccacgcg tccgcgaata acacagttga gcgcgacgat gggatccgtc   60
gctaataaca tcatggctgt ggggtgctgc cttgcagcgc tcgtcgccgg cgggtcatgc  120
gggcccccca aggtgccgcc cggtcaccaac atcaccacca actacaacgg caagtggctc  180
accgccaggg ccacctggta cggtcagccc aacggtgccg gcgctcctga caacggcggt  240
gcgtgcggga tcaagaacgt gaacctgcca ccctacagcg gcatgacggc gtgtggcaac  300
gtccccatct tcaaggacgg caagggttgc ggctcatgct atgaggtgag atgcaaggaa  360
aaacctgagt gtcgggcaa tccagtcacg gtgtacatca ctg                               403
  
```

<210> 25707
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-B2

<400> 25707

```

cggacgcgtg ggtggacacc ttgttcaacc cttatgcgct tagctgtggg catctggtct   60
gcaaagcctg tgcattgtgt gctgcttctg tctacatctt ccagggtgtc aagtcggcac  120
ctccggaggg caagtgcctt gtctgccgag cggttgggtgt gtttgatcgt gctgtgcgta  180
tgactgaact agaattgtct ctcaagagaa gggacaaaga ttactttctg cagagactgc  240
gcgaagagcg aagtgtgatg gtgaagcagg ccaaagaata ctgggactca caggcaatgc  300
tatcgatggg gatttgaaag ctacaatgtt cttaccaggt caattgttgt ggctaattac  360
atctgaaggt tctctggcta attacatatt ttagttcctg gc                               402
  
```

<210> 25708
 <211> 277
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-B3

<400> 25708

cccacgcgta cgaaggaaag ttacagatga ttattaaacg ttgcatcatg ctgggttggtg 60
tcatgaggaa atgctggaca accttggtc tttacttgaa cccaactgta cacataaccc 120
acacgtccaa gctactgaag atatcacctt cctggagacc attgatactg ctgaaccctt 180
cgcaaggatt tcacctagtg actacgctta taagcatggt gaactacacc tatgacagga 240
gtttgcaata accccgttgg cgatgaacta ccagggc 277

<210> 25709
<211> 302
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-B4

<400> 25709

ccgacgcgtc ctacgacacc cggaagttga tttatgagct tggctttatg cataagcgtg 60
ggattaccaa atcatgtggt acctctggtt tctacatggt gcagactgta aactgattcc 120
cttaagacgt gacactgcac atattgcta gcgtgcgacc agtgataccg ggctatccgt 180
atcactgatc tacactgctt gctcaacata taggacacgg attgctttcc tatgacactg 240
ctctaggagc gaaatgtcat ggataagcag gccatacaat actgagactt acagtcaatg 300
ct 302

<210> 25710
<211> 240
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-B6

<400> 25710

cccacgcgtc cgcgaccgg aagtcacata gcggctcagg acttggtccat catgcgggca 60
tatcatctcc tgttgagggt gaatctcgtg atcgctgata gtgtatctat agagtaatct 120
tgtctagcta atgcgcctct cagccaaaat tgtgctatct atcatgtcta tgtgcgtata 180
actgtctatg tatcatgcct cgataacatg gacagagagt cctctcctga cagactggac 240

<210> 25711
<211> 266

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-H4

 <400> 25711

 aaccctgaag gtggattcgt ttgacaccat tgacaacggt aaggccaaga tccaggacaa 60
 ggagggcatc ccccaaaacc aggacgggct cattttcgct gccaaacagc ttgaggacgg 120
 ttgcacgctt gctgactaca acatccagaa cgagagcaca ctccaccttg tgctccgtct 180
 cacgggaggc atgcagatat ctgtgaaaac cctgaccggc aagactatca ccctagtggg 240
 gtagtcctct gacaccattg acaacg 266

<210> 25712
 <211> 377
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-048-Q1-K1-G12

 <400> 25712

 gccacgcgtc ggagatctcc gccgccatgg agacgctggc cagcgccatg cggcgcgaga 60
 accgccggtc caaggccccg cctctctcct ctgcttctct cgcctctgcc tcggtcaggg 120
 tccctctcgt catggccttc ctctcttgcc tcgcctgggt ctacgtctcc ggccgtttgt 180
 ggcaggacgc gcagaccggg gcgatcctgt ccggcctaact cgagaagagc tctaccagcg 240
 tcccgaaggt gctctcggtg gaggacangc ttaggaacct aggggtgcaag gcgattggaa 300
 ggaaaattgc tgaggcggag atggacctga ccaatgccaa gagcgagggtg tacctgtggg 360
 ggacaggact gcagctg 377

<210> 25713
 <211> 434
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-G2

 <400> 25713

 cccacgcgtc cgcccacgcg tccggcagtt cctcgtcgtg gcggtggaag ccgccaagag 60

cgccggcgag attattcgca agggattcta ccagaccaag aacgtcgagc acaagggcca 120
 ggtggatttg gtgacggaga cggacaaggc ctgcgaggac ctcatcttca accacctccg 180
 gaagcacttc ccggaccaca agttcatcgg ggaggaggag tccgcggcgc tcggggccac 240
 cgctgacctc accgacgacc ccacctggat cgtcgatccc ctcgacggga ccactaattt 300
 cgtccatggt ttcccatttg tatgtgtctc cgttggcctc accattggga aaattcccac 360
 tgteggagtc gtcttcaacc tcatcatgaa cgagcttttc acggcgggtc gtggaaaaag 420
 ggctttcctg aatg 434

<210> 25714
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G3

<400> 25714

acgtgatgga gatggtaaac tggctaaggc tctgtatgca agacctctta ctaatattgt 60
 caaggacgtc gaagccaaga tgaaagggtg acaatcaagt taaaagggct gggctctttca 120
 tgcaaacaaa cttcacagga tggataatga cattgttttag ttgaaaatat ggtcccgcgc 180
 gcagcataca tacagagaag aatatgagtt ttgttttatt cttatcttct ttacgatttt 240
 gctccctgtc tgtcacaatc aaaccaattg tcagtcagta tgcatagtcg tacgctatag 300
 ttctgtatct tcagcttatg tatgaagaat ataatatcaa ttggatttgg tatataaatc 360
 aaaggaccgg ccattatttc aacaagggtg gtcctatacc 400

<210> 25715
 <211> 344
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G4

<400> 25715

ttcgaccac gcgtacgcc acgcgttcgc ccacgcgtcc ggtcagtgcc ggccctaccg 60
 atgggtcaca cgaacagcgt ctgcgatacc atcatgatga caatgtaagc gaccgagaag 120
 ggcttacact ccgctcctac cgatctcgcc aaggacactg acgacttcca taacgacttc 180

atcttgcaga cctcgcacct ggactacatt aacctgtatg acgactttca agaagttatc 240
 gtccatatat acgcgggtcca tgtcagtaac gctcacccca tctgtaacta ccattgcgtg 300
 caccgcagat gtgatactat ctatcgagaa cgcagctgac gaag 344

<210> 25716
 <211> 449
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G6

<400> 25716

ttccacgacg ccaacctggt ggagatgtac cgcaagatca gcagagccga cgtcaagtac 60
 gcgcagtggg tctcccttga gctccggcgg ttgatgcca agctcctcga accgaaccca 120
 aacaacagga tcacgatcga gaagctggc gagcaccct ggttcaagaa ggggtacagg 180
 ccggccgtca tgctggcaca gccgcacggc tccagcagcc tcaaggatgt ccaggctgcc 240
 ttcagcaacg ccgaccacaa ggacagcacc accaaggtgg aacagccggc ggacagctcc 300
 ttgaagccgg cgagcctgaa cgcgttcgac atcatctccc actccagagg gttcgacctg 360
 tcaagcctgt tcgaggtgga ccaagagcag aaggccagca actcgcgggt catgaccag 420
 aaaccggcgt cggcgatagt gtcaaagct 449

<210> 25717
 <211> 360
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G7

<400> 25717

cccacgcgtc cggggggggc gcctcctttt ccacctcctg ctggtgccag ggccgggagg 60
 gcgtcgcgga ggtggcgcgc atggggctcg ccggggacgg gtcggcggac accgcccacc 120
 tcagtaataa tgaaaatggg cggttcattt atggagttgc gagttctcct ggtaaaagag 180
 catcgatgga ggacttctat gaggcaagaa tagacgacgt tgatggagag aaaattggaa 240
 tgttcgggtg atatgatggg catggaggag tccgagcagc tgagtatgtt aagcagcacc 300
 ttttcagcaa tgtaatcaaa caccxaaagt tcatcactga taccaaggct gctatcgccg 360

<210> 25718
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G8

<400> 25718

gtcgggcgcc acgtccgtgt tcggcgcggc gcccgaggag gtctccgtga aggtggccgg 60
 gatccactgg cactacggca gccggtccca cgcccccgag ctaccgcgg gctactacaa 120
 cacgcggcgc cacgacgggt acctcaccat cgcgcgcctc ctggcgcgcc acggcgccgt 180
 gctcaacttc acctgcgtgg agatgcggga ccacgagcag ccgcaggagg cgcggtgcat 240
 gccggaggcg ctgggtccggc aggtggcggc cgcggcgcgcc gccgtcgagg tgggcctcgc 300
 gggcgagaac gcgctgccgc ggtacgacgg cacggcgcac gaccaggtgg tcaccacggc 360
 cgccgagcgc gccgacgagg accggatggt ggccttcacg tacctgcgca tgggtcccga 420
 cctcttccac tcggacaact ggcgcgctt c 451

<210> 25719
 <211> 366
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G9

<400> 25719

cacgaggaca accacggccg actggctatg aacgtgcttc tgatccagat cgtcagcggc 60
 ggcatagaca acgcggtcat ccacgtgcct gaacaagggc accgccgact tcacgaacct 120
 gacggacgcg accgaggctc tgcaagactg cgcgatgcac ctgcatgaca gcctcaagct 180
 ggacttacta ctgcccattc gcatggcctt cttactgaag tcttaacgcg cttgtaccac 240
 aactgccagc gctacaccag acaactacta ctgctctgcc aggcgggtgtc cgactccgcc 300
 gagaaaatgc gtaggctgcc ttacactgcc atgaacagca ctgctgcagt caacaataac 360
 tcccac 366

<210> 25720
 <211> 332
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H1

<400> 25720

ctttgcgcca tggatgccaa cgaggaaacc ccgttgtgtg ccctgccctt cttgggcctc 60

ttattggcct cttcaacgcc ggcggggtca cctgccaaga acaaaacctc ttgaaaggcc 120

aacaacaaca acctaactctg ctggcccgag aactgcgtgg caacctgccg gaatcaacgg 180

ccacgcggac ggccgctgca gctgggcatg gtcgtggagg ccgtattgcc agtgcttgct 240

ggcggactgc caatagacgc gaaaggctgc gttgctttgg cgtctggctt gctcgccgtc 300

gccggcagac gaaggataaa cgtacggttt gc 332

<210> 25721

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H10

<400> 25721

acgcctggcc tgggctggcc gcctccgacc accgtacgta ctccaccgcg tcgcccggcg 60

gcgggtctctg cccagcccg gctgcctgcg agggcttctg atggccctcg acgccgtcct 120

ttactactag tgcccagctt tattgcagat ccagccctct gatcctcgtc ttctttcacc 180

tctccaacat gaaggtcaac accaagatca agctggagcc ggtcatggcg ccgtcgtcgt 240

ccctgccgcg gagegccagc gagctaccgc acccgtcgtc accgttcagc tccaacacgg 300

tgcaccaccc cgtctacgtg cccaccacac ctaggttggt cttatcgtgc tcgtcgttcg 360

gccacatggt gaccccgccc accgacacac cgccgatcac gctcaccaag aagcaggacg 420

acaagccg 428

<210> 25722

<211> 97

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H11

<400> 25722

gtgactatga ttctctgtct gtcacgtact gttcgaatga gattatcgct ggcattgacc 60
tgtatatatg acaagtgcaa gcgaacgccg aacgtat 97

<210> 25723
<211> 458
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-H12

<400> 25723

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcaag gagatgcagc tgatgaagct 60
ggaggaggag cgtcggctgg aggaggccag gcacgccgag gagactgctc tggcactggc 120
cgagatggag aaggccaagt gccgcgcggc catggaggca gccgaggcgg cgcagaggct 180
ggccgacctg gaggcgcagc ggccgccgaa cgccgagggtg cgcgcgcgcc gggaggccga 240
cgagaagggtg cgcgcgctgg atgccatctn caaccacgac ttccggtacc gcaagtacca 300
catcgacgag atcgagatgg ncacggagcg cttctccgac gagctcaaga atcgcgaggg 360
cggctacggc cccgtctacc gcgcctccct ggaccacacn cccgtcgcca tcaagggtgct 420
ccggcccgcg gcgcaccagg ggaggaaagc agtccagc 458

<210> 25724
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H2

<400> 25724

gtacgcttac gcatgatgtc atcgagcca ttggtgatct tatggatgag attgactcat 60
gctatgaccc gattttctgag caagctgtgg aacttattca ccaaaatgag gtaatcctaa 120
ctctagggtc ttctagaacc gtcaaggagt tcctgtatgc cgcgaaagaa aagaaacgat 180
cttttcgtgt atttgttgc gaaggtgctc caagatatca gggccatgtt ctgcgaaaag 240
agctggttga gaaagggtga caaactacag ttataacaga ttcagcagtt tttgctatga 300
tatctcgagt taacatggtc atcgttggag cgcagctat catggcaaag ggtggagtca 360
ttgcaccagt agggatgaac atggttgac ttgctgctca aggcagctg tgccttttgg 420

tgtggttgct tgtagtcaca agct

444

<210> 25725

<211> 371

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-H3

<400> 25725

cccacgcgtn ccgcgtctaa ctcacccggc cttcacgcct ccctcaccaa ataaggtccc 60

ggccttttcc gacattcaca ggggggacag gaaatcagcg gccatggcct cgattccggc 120

gacgaccttc gccgtcatct tatecgtcct cttctgtgcc ggggctggca ccgccgtcga 180

caacgacctc cccgactacg tcatccaggg ccgcgtctac tgcgacacct gccgcgccgg 240

gttcgtgacc aatgtcaccg agtacatcgc gggcgccaag gtgaggctgg agtgcaagca 300

cttcggcacc ggcaagctcg agcgtccat cgacgggggtg accgacgcga acggcacgta 360

cccgatcgag c 371

<210> 25726

<211> 294

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G1

<400> 25726

cgaatctgcc atcctgtcca acacgaagat ggcgttcac agcaatgtcg cagtgaaggc 60

ggcgggagcg gccgcgtgc tgctggtcgc atcgggtggc gcctgccgcg cgcggaggcg 120

gtggcggtgg ccgtaggggc gccgtcggcg ccggcggatc cgctggacat cgcgcagctg 180

ggcgccaagg gcgacggcaa gtcggacagc accacgatga tcctcaaggc gtggaagaac 240

gcgtgcgatg cgacggagcg acagaagatc gtcattgcga cgggcaacta cctg 294

<210> 25727

<211> 202

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E3

<400> 25727

cggacgcgtg gggcatatct atctggctgt gtcctgcaag caggcctagt acgccgcctg 60
cggcgttcct cctattacac atataggccc ctccctgcgt gtatgcttgt taccgtcgtg 120
tcgaaccttg tactacgagg ctccatcgaa catcgatggc ttgcttcttt atcagaacat 180
gtttgaataa acgctatttg gt 202

<210> 25728

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E5

<400> 25728

cccacgcgtc cgctccgtcc cccaagcaaa taaaagaagc tagctagcta ggcgtagaac 60
gagatgacga cgcagggcgg caacaggctc acgacgacgc tggtcgccgc cgtggccgta 120
gttctggccg tggcgggcgg gtcgtccctg gccggcgtgg cgtccgcgga gaaggcgggc 180
gggttcgtgg tgacggggcg cgtgtactgc gacccctgcc gcgccggggt cgagacgaac 240
gtgtccagga gcgtggccgg cgcgacggtg gaggtggtgt gccggcactt cggcgcgctc 300
aaggagacgc tcaaggcgga ggcgacgacg gacgacagcg ggtggtacaa gctggagatc 360
gaccaggacc accaggagga gatctgcgag gtggtgctgg cccggagccc cgacccgggg 420
tgcgcggaga tcgaggagtt ccgcgaccgc 450

<210> 25729

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E6

<400> 25729

acgggagcag catcaggacg ccgccgagga ggtgtaccac gtggacgatg tcgacgaggg 60
caggggtgac ggccgtggcc acggcggcgc cggccagggg aagctgtgcg ccaggggcca 120
ctggcgcccc gccgaggacg ccaagctcaa ggagctcgtc gcgcagttcg ggccccagaa 180

ctggaacctc atcgccgaga ggctggacgg cagatcaggg aagagctgcc gcctgcggtg 240
gttcaaccag ctggacccgc ggatcaaccg gcgcgccttc tcggaggagg aggaggagcg 300
gctcctggcg gcgcaccgcg cgtacggcaa caagtgggct ctcatcgcg gcctcttccc 360
gggccgcacc gacaacgccg tcaagaacca ctggcacgtt ctcatggcg gcaggcagcg 420
ggagcactcg ggcgcgct 438

<210> 25730
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E7

<400> 25730

cggacgcgtg gggtcgagga cccgacgctt aagcggtcgg cgggggcact cttcagcagg 60
gtgtggggtc ctacggccg agagatggtc cgagagaggt ccgaccgggc aatagatcag 120
atggcgcatg acgaagaggt tgaggacctt ggcgatctag acggcacgct gcccgacagc 180
atgtgtcccc aggctcggg ggtggagttg gcgccgccgt ccgatgcggg caagggcccc 240
ttagcgaccc ccgcaccgac tggagctagc gaggaccccg cgccagcccc tgcgccgacg 300
ggtgaggacg cctcataggc ggtgggcgaa ccagctgccg aagaccccg gcgcacggct 360
cgggccttcg caggttcga cgtttgggcc tgcccaagca accgctggtg acaatactga 420
ttttgt 426

<210> 25731
<211> 383
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-E9

<400> 25731

gtcgaggacc tcaagcacgc gctcgctctc tctcctgctg caagcacaca atcgaggccc 60
aggttatcac tagtaagagc tgcgggtgcc gtagcccaag ccgtgccata ctgtactgag 120
tcaccactgc agagcgcgcg aagccaacga gcgtaccggt gacggtatca agtatcgcca 180
gacctgattc attctgcaag acttcgtcac cgactacaac tactgaaata tgatacaacg 240

cataacggta cgtactgcag atggacaatg gatgttatct aattactcac ttattcgttc 300
 aacggcgncg ttgactatgc cgatgatata tggatgtgat gcgaacgtga acctaccgat 360
 atgagcggct ggattacata tgc 383

<210> 25732
 <211> 337
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-048-Q1-K1-F1
 <400> 25732

cgctcgggca ccagtttgaa ccgcttcctt tcccttcgat tccgggggttc ctcttacctc 60
 gattgcccc gaaggaccgg gccggcggcg gcaaaggcaa aggcaaaggc aaaatgttcg 120
 gcccccgcc gaaaaaaagc gacaccacca agtactatga gatcctcggg gtgccaagt 180
 cggcgtccca agacgacctc aggaaggcct accgcaaggc cgctatcaag aaccaccccg 240
 acaagggcgg tgaccccgag aagttcaagg agctcgcaca agcctatgag gttttgagtg 300
 atccagagaa acgtgagatt tatgatcagt atggtga 337

<210> 25733
 <211> 455
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-048-Q1-K1-F10
 <400> 25733

gcctttgaaa gaagctagca tcaggttcga cgtacaaggg gcacaaataa tctaccagtg 60
 cgtgtgctca tccgtgcacg ccggcaatgg tgtcctccgc ccgtgcgctc atcggcctcc 120
 tcgtcgcgcg ggctccctc gccgtcgcgc tctcggatgg cggcgggatg gcggcgcttg 180
 tgtacgggta cgcggcgggg agccccaacg ggccggagaa ctgggggaag ctgagccccg 240
 cgtacaagct gtgcggtgag ggggaagcagc agtccccgat cgacatcgtc accaagcatg 300
 ccgttcgcgt cgccagcctc gacaccctca atcgcaccta cggcgccacc aacgccacgc 360
 tcatcaacga tggccacgac atcacactgg cgctggaggg caaggttggg acggtgacgg 420
 tgaacggcaa ggcgtacagc ttcgagaagc tgcac 455

<210> 25734
<211> 443
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F11

<400> 25734

cccactcaaa caagctcgca tcaacttcga cgtacactga gcacaaataa tctacgggtg 60
cgtgtgctca tccgtgcacg ccggcaatgg tgtcctccgc ccgtgcgctc atcgatctcc 120
tcgtcgccgc tgcctccctc gccgtcgcg cctcagatag cctcggcatg gacgcgattg 180
agtacagcta ctcgctggac accccaacg taccggagaa ctcaatgaag ctgagccccg 240
cgtacaagct gaacgtagag gtgaagcagc agccctcgat cgacatcatc accaagcact 300
ccatcacctg cgccagccta gacaccctca atcgcaccta cgacgccacc aacaccaccc 360
tcatcgacga ttgccacgac atcacgctgg cgctggaggg caaggtctgg acccagacgc 420
tgaacggcaa ggcgtacagc ttc 443

<210> 25735
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F12

<400> 25735

cgatgccatg gtcaaacgg agatgggctt gattgagcag agtaaacttg tgctgacgga 60
gcaagagcca gagctgggag acgttccggt gaagagaccc gttgggaggc ccaggaaggc 120
taggaacgga cctagctcag atgacccggg caccctgct tcgtatgctt gagctccggt 180
tggcttgat tccggcgctt tttccagttt cctgtgactt ctgtacagtg caagccatct 240
taacgcgcgc aaggttaact tatcgaaaca tttggagaac ctggaagcaa acggcgaagt 300
ttttccgtgt gcgttaatgt ttcacagaag gggagtccga ggaaaaaaaaa gttgccacta 360
cgcagcttat ggactggttt tttttgtagg atgtattgac atcattgtac caaattaggt 420
tcatataatc ctggttgata gatattt 446

<210> 25736
 <211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-F2

 <400> 25736

 aaccggacca agcttctaata ggaggtaata ctaacttgca tgggaaggac ctgtgaaaat 60
 cgatggccag gtccaaggac caggaccatg ccctttttgt ggactgagaa ctggacagca 120
 cagtccagag tattcgggtga cccaccatcc cagcgttctg ctgaggacat tgcatttgcc 180
 gtggcgcgct tcttctccgt gggcgggtact atgacaaact actacatgta ccatgggtgga 240
 acaaactttg gaaggacatc tgctgccttt gtgatgccaa aatactacga cgaggcacct 300
 ctcgatgaat tcgggtctgta caaggagcct aagtggggcc atctgaggga cctgcacctg 360
 gcgctgaagc tgtgcaagaa agccctgctc ttggggaaga ca 402

<210> 25737
 <211> 340
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-048-Q1-K1-F3

 <400> 25737

 accacgccgt ccgggtaggt gcatggcttc ggtgggtcca ccatggcgca ccgagcgggtg 60
 gcgacgatga cgactaataa gccccttctc ctctctgccc tggcgtccgc gctccttggt 120
 gcggcgccgg ccgccgcgaa cgcgcccgcc ggggcgttca gcaactgggt ggcgatgaac 180
 cagcagagct acgcgctgta cgcgcagaag tccgtcgggg acggaggcaa ggagcccctg 240
 gacaagaagc tgtcggaggg ggataagatg aatgtcacgt acgtgggtgga ccccgacggc 300
 aagggcgact acgccaacat naccgcagcg ctggaggata 340

<210> 25738
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-F4

<400> 25738

taataatttc gccttttttg aaggatacat tggccgatcc agcaccaagg ttaccacttt 60
gaaagtaacc ctaaaatcgg attcacagcc aatggtataa aatgaaactg tctcagatcc 120
tatatctagg gtcagagaac ctgagaccga aattttctcaa gatgggagga tacccaagat 180
tgccatggac agtgccgatt cagacctgaa taacagaaat gatgaagcaa gtgaacagct 240
tgtagcagat cttaaagctc agaaagagga actagaagca acaattaaca gggaacagct 300
gcaaactgtg caacttatag aagacattgc tcaagcagag accagaaatg cagagctgac 360

<210> 25739

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F5

<400> 25739

gcgcatgggc gtctccaagt ccacctccaa gtgcgccacc gcgcatccag ggcatcggct 60
gtccttcggc ggcatgatct tcgccctcgt ctactgcacc gacggcatct ccggcgggca 120
catcaaccgc gcggtgacct tcgggctggt cctggcgagg aagttgtccc tcaccagggc 180
ggagttttac atcatcatgc agtgccctggg cgccatctgc agcgcgggcg tcgtcaaggg 240
gttcacgcag gggctgtaca tgggtcaacgg cggcggcacc aacgtcgtca cgcacggcta 300
cacc 304

<210> 25740

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F6

<400> 25740

agtgccttga ccacttatcc ctggacttta cataccaact cggttcttta ggatgcttct 60
gaacaaatta gcaagggatt tccacaatta tccagctttg ggtggacttg tccagaccct 120
tatgggctat gtcgttggcg gtgacagttc aaattgggta ggagtgtcgc gtttgcccca 180
ctacaacatg gatgacatgc ctgggtgtgc atttcatgtt gcgcttcacc ttgtccagat 240

aaagatggca aagaagttcc aaatgtatga ctacagtagc tctgcagcaa atattgaagc 300
 gtacggaaca ccggaaccat tggacttggg agctcattat ggtctcatcg acattttctga 360
 cgacttagtc gctgggcaca acttcagtat tatctta 397

<210> 25741

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F8

<400> 25741

ggcgatgtca atactggttt gacagaaagc tatatccagg aaaacttgag gtccagtttg 60
 gatgttccag gagcagctag catgtctgat cagttttctg agctttcttt ggagaatgat 120
 gcttgcataa tatgccagga ggagtataaa gctaaagaac ttataggaac ccttgaatgc 180
 ggtcacaagt accatgtgaa ctgcatacag caatgggtga tgatgaaaaa cctgtgcccc 240
 atatgcaaga cgacagcttt gtcacagat agaaggaacg gatgaccgtc gccaataatg 300
 ttgctggctg tttaccgctg ggcatattac cgtggatttt gtatatagac atggttgccct 360
 ctatttgccc gtcccctttg ctgtggacat aaactgagct tcgaaacact gtacagatat 420
 tctgtaggat gctttagac 439

<210> 25742

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F9

<400> 25742

cagagacaat gtggctgtc cagactgtct tctcttgatc agcttgcat tgcagagagc 60
 cgcgtcagca tgacatcatc cacatccgat caccatatgc aatcttcccc ctctattgct 120
 tgccaatacg tgtagaacca gacgatttct cactcgtacc gtctgatcga tgacttaatc 180
 tactgtaacg acgacttcgc acaacatgta gatccgtggc tgtctaaatg cgtctgaggc 240
 ctctctacta ctagtgttgt tgctaattgc aaactcatcc agtgctcttg gttctacgct 300
 tgaacttgcg tagtgtccgg atcgacaggc acgtcctcga tctaactaca 350

<210> 25743
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-048-Q1-K1-E2

 <400> 25743

gcagcgccgg ccatgatcga gacaggatga cgtccccgcc gacgccgttg ccggcgctgg 60
 cgcgccaggc catgcagtcg ccgacgccgc cgacaaaggt gggaccaccg tcgctgccac 120
 cgccgcgcgt gccggccgtg gacgcggccg tcatcatggg cgtgctcacg gccgtgctgc 180
 tggcgctctt cctcttcctc atctacgcca agcactgcaa gcagcgcggc cccggcgagc 240
 ggccccggcg cctgagactc ggcttcgcgc cctcctcgtg cgaccgctgc cgctcggggc 300
 tcagcagctc cgcggtgggc gcgcttcggg cggtcgggtt cggcgacggt gacgtcgacg 360
 tgggcccagc caccgagtgc gcggtgtgcc tgggcccctt cgacgccgnc gagctgctcc 420
 gcgtcctgcc cgcctgtcgc cagcct 447

<210> 25744
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-D1

 <400> 25744

cttacgctat cctcctcgat ctttaattaca ggcatagct aagcaggtct gacaggatgt 60
 ggcggcagac atacgtggat gagcacctga tgtgcgagat cgagggccac cacctgacct 120
 ccgctgccat agtcggccac gacggcgccg tttgggcccga gagcaccgca tccccacagt 180
 tcaagacaga ggagatgacc aacatcatga aggacttcga cgagcccggg ttccttgccc 240
 cgaccggcct cttactcggc cccaccaagt acatggtcac ccaaggcgag cccggcgctg 300
 tcatccgagg gaagaaggga tctggaggca taactgtgaa gaagacacgg catgcgatgg 360
 tggtcggcat ctacgacgag cccatgaccc acggccagtg caacatggtg gtcgag 416

<210> 25745
 <211> 458

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-D10

 <400> 25745

 gccaacggca ctgtcggagg agacgccacg actgttcctc aggatgcttc gccgcagcct 60
 ggggtgccagg tggtcgagcc tgcacttaat ccaaaggagg aagttctgaa cggggagggtt 120
 tgtaactcgc taagtgatgt ggagaagcct gttgctgagg aaacgccgga tcctgatgtc 180
 ataaatgaac tgccaaataa tgttgcagtg gctccaccaa tttcatcccc tcctgtacca 240
 ttgaaggagg caccaaagaa gtcatatgct tcaattgtaa aagtcatgaa agaacatcgg 300
 ccattagcac ctgcagttcc ttccagacct gcacccccaa taacagagaa gcaagcctct 360
 cctgccctca ctccagttac tgagggtcca gctttctcct ctaatcctca gagcgggtgc 420
 tttcaagatc cagacgttga tgcacatgcc atatatgt 458

<210> 25746
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-D11

 <400> 25746

 cggacgcgtg ggctgcatcc cggttatggg cggcgtgctt gagcttggca caactgacac 60
 ggtgccggag gccccggact tggtcagccg agcaaccgag gctttctggg agccgcagtg 120
 cccgacgtac tcggaagagc cgagctccag cccgtcagaa gcaaacgaga cgggcgagggc 180
 cgcagcagac gacggcacgt ttgcgttcga ggaactcgac cacaataatg gcatggacat 240
 agaggcgatg accgccgccg ggggacacgg gcaggaggag gagctaagag aagccgagggc 300
 cctgccagac gatgcaagcc tggagcacat caccaacgag atcgaggagt tctacagcct 360
 ctgcgaggaa ttggacctgc aggcgtacc gctaccacta gaggacggct ggaccgtgga 420
 cgcgccaat ttcgaggtcc cctgtt 446

<210> 25747
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D12

<400> 25747

cccacgcgtc cgccgaccag gagatcgcca gctgcgtcga gtccgtcctc cgagggtccg 60
ggggcgggcc cggggagggtc tcgctcaccg ccgtgctgca gcaggcggag gccacgctcg 120
gcgtcgacct ctcccacaag gcgggcttta tccgcgacca gatggacctc ttcttcggcc 180
cgcgctcca gccgcagccg ctgaccacgc cacagctggc gcctcccccg cctcaggccg 240
tcgttgcccc cgcggacgcc gtgcctcagc ctcagcctca gcatcagggt ctgccgcagg 300
caccgccttc ggctcagcag atgcagccgc agcagctcgc gccgcttcag ccgcagctca 360
tgttcagac cattcaccag ctccccgcca tctctcccggt ccctgtgggt tccgcgccgc 420
cggccatggc gttctac 437

<210> 25748

<211> 320

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-D2

<400> 25748

nccacgcgtn cgctcacgcg ttcgncgccc tggctagcac cacacaccgc aggtatggag 60
aaggggcnag gctggccttg gcagcggcgg tggttctgtg cctgctgatg gcgaccgggc 120
cgcaggaggc cgccggcgcc gaggggatgc tgtcgtatga taagttgctc agctgcaagg 180
tgctgggcaa ctgcgacaag aacaggggcc cggggccac ccgcccgggg aagcccgtaa 240
acaagtacac ccgcggctgc aagcccgtg acccgtgccc gcagcggctg atcatatctn 300
cggtgggtct gtcgatgtg 320

<210> 25749

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D4

<400> 25749

accgtcacgc cgtccgcaa gccttccgcc aacccttctg ccaatccttc cggaaaaagg 60
 tggttgctgt tttaaccgaa caatcagtag atccatctga agggtcctaa aggaattgct 120
 tccgaagaag atccggataa gcctggcaca ctctctgata cgtttcaagc caatttaggc 180
 attataggta aatcaatgga tggagactca ttgcattcat ttgatattct tagtgaggca 240
 catgaagacg aggcattgtg cacctcatgg tggcgacaag tagttttgga tgggttagag 300
 ggtaaggata aaatccctct aaaagatta 329

<210> 25750
 <211> 271
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D5

<400> 25750
 ctcacacatc cgaactcacc tacttttact ttttcagctg gtcacaaaac tacggggcat 60
 gttaaatacg aactgcatca actacatcct catatacttc ctctcacgct acctaccgtc 120
 tcattttcta cctagacaac cttcttccat ctcatataac ctcatatcca aagctaataa 180
 tacatcatat aaccaacatg attaacgacc ttcaccaacc ccatcacctt tactcacc 240
 aacctttact ccaacataac ccatacatat c 271

<210> 25751
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D6

<400> 25751
 cggacgcgtg ggcgggattg agcaggagta cacccttctc cagaaggaca ccaagtggcg 60
 tctcggttgg ccgctgggcg gctaccctgg ccctcaggga cttactact gcgccgtcgg 120
 agcggacaag tcctacgggc gggacatcgt ggacgcgcac tacaaggcct gcctctacgc 180
 cggcatcgac atcagtggca tcaacgggga ggtcatgccg gggcagtggg agttccaggt 240
 cggccctgcc gtcggcgtct cggccggcga ccagctctgg gtggctcgct acattcttga 300
 gaggatcacc gagatcgccg gcgtggttgt ctcttcgac cccaagccaa ttccggggga 360

ctggaatggc gctggtgcac acaccaacta cagcaccaag tcgatgagga gtgacggc 418

<210> 25752

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-D7

<400> 25752

cccacgcgtc cgcatttttc tcttctgctc agcgccccgg catccaatcc cccctgccgt 60
gggcccgtgct ctctccggta tcccaccatg gatatgcaa atgacacttg cccttcacca 120
aaactccaca caagactgag gctgtgggaa tttgcggaact gttatgtttt tgaaccagtt 180
ggctttaatg atcttttact gtcagtcaac cggatcaatg gatcaatgaa tctagtggag 240
gaattgccac agcatggccc ctctataaat ccaaaagtgc aaatagtgtt tgggtgaata 300
ggagtgctaa aacttgcagt tgggacatat attctgggtga tcaactgaccg tgattgtgct 360
ggatcctact tgggacatgc agttntcaaa gtgagagggtc tgagagctct gccgtgtaat 420
aattcccttt ctgcttctgc tgaacagaaa 450

<210> 25753

<211> 329

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-D8

<400> 25753

cccacgcgtc cggcgcccgga caagcccaac cccaacgagc tcaccggcgc catcgtcggc 60
gggcccgcaca agaacgacgg ctctgtggac aagcgcgga actcctccta caccgagccc 120
tgcacctaca tcaactccct cgccatcggc ccgctcgccg cgctcgccgt ccgaggcggtg 180
cagctcgctc ccacgcagtg atctatcccc atggccatgc gtgtgtgtcc cgctgtttcg 240
tttcttccct gacatgacat gatttctact ccgttactga tgattcattg attccggccg 300
nccccgatt ggtcattata ttaggtcga 329

<210> 25754

<211> 460
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D9

<400> 25754

```
gcctactcgc ttcaagcaac acccgaagcg gtaacagcaa ccaccaccac caccggacct 60
ggcgtacgac cccttggctt gccactccac tgaagcaggg cgagagggag agagaggaag 120
gaggaggaga agccatggcg aacgacggcg acgggaaggg ccgctctctc acggcgccag 180
gggcagggta cgggtacgcg gcgtagggag gctaccaggg ggcgaggag cggaagtgg 240
ggccgcggct cgtgccacc gtcctctctc tctgcatcgc cgtgttcgtc gtcgagatgt 300
acgataacaa ctgccccaa gacgggagcc cgtctggcgg ctgctctgcc ggcttctctc 360
gccgcttctc cttccagccg ctccgcgaga acccgctgct cggcccgctc tcctccactt 420
tgagaaaaat gggagctctt gactggaata aaattgtcca 460
```

<210> 25755
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E1

<400> 25755

```
cgctcttcgg taggtgcatt gcttcgggtg tccaccatgg cgcctcagac ggtggccacg 60
atgacgacta ataagcccc tctactcttc gccctggcgt ccgcgctcct tgggtcgggc 120
ccggccgccc cgaacgcgcc cggcggtgcg ttcagcaact ggggtggcgat gaaccagcag 180
agctacgcbc tgtacgcgca gaagtccgtc ggggaccgtg gcaaggagcc cctgtacaag 240
aagctgtctg aggcggagaa gaagaaggtc acgtacgtgg tggaccctag cggcaagggc 300
gactacacca acatcaccgg agcgctggag gatatcccgg tgagcaaac caagcgctg 360
atcctggacc tcaagcccgg cgctcagttc cgcgagaaag ctgtcctgaa ca 412
```

<210> 25756
 <211> 371
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E10

<400> 25756

cccgatcatc ctcatcctct gtcctggac agtacagcac agcacaacac atcgaggtag 60
agctagcatc catcaccgga ttcagaacc atcatccgca ccagcagcac accacggtca 120
accttcaca cacgcgcgca cacacacatg gcgtcgcacc ataagcaact tcatgctgga 180
gcctctgcat ctgcgctctc cgacgtgggc ttogacgact acctgtcaca gatcgtgtag 240
cggctaaccg aatacacgct gatgctcgag ctgtctagcg tgttcgggt gctgatggac 300
ccggcgctct gactcatcac cttcgacagc ctccgacgca tcgcaccgct gctcggcctg 360
tgcgcatgt c 371

<210> 25757

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E11

<400> 25757

cccacgcgtc cggcaggaaa aggagcgaag agagagagag agagagagac gcaggcccgc 60
cggcgacgat cgaggaggga ggaaccagag acccggcggc ggcgacgatg gctccgcgca 120
gctcatcggc ggcgacgtgc ctgtgcctcg ctctcgccgc ggccaagctg gcgctggccc 180
acggtgcgca aggaggagga ccatcggcat cggcggcgga cctggacaag gtcacggccg 240
agaccttctt cgacatcgag atcgacggca agcctgcagg ccggatcgtg ctgggactgt 300
ttggggacac cgttcctaaa actgcagaga acttccgagc actttgcaca ggggagaaaag 360
gaattgccaa gtccggcagg cctctggggg acaaggggtc gacgttccac aggatcatcc 420
cggggttcat gat 433

<210> 25758

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E12

<400> 25758

cccacgcgtc cgcacaacct cttctccctt gtttcctctc gtgcgttctc cgcaggagcg 60
aggagggctc gcggcagcgg cagggctctc ggtgtttttg ttccagaatc tgtagcaaat 120
ggttgacggc gaggacatcc atccccttgt ttgtgacaat ggaactgtca tggtaaggc 180
tggttctgct ggtgacgatg cgccaagggc tgttttccca agcatcggtg gacgcccacg 240
tcacactggc gtgatgggtg tcatggggca gacggatgcg tatgtcgtcg atgaggctca 300
gtccaacagg ggtatcctga ctgcgaagta cccgatcgaa catggcattg tcaacaactg 360
agatgatatg gccaaatctt ggcaccacac catctattac gaactccgca gtgtgcctga 420
agagcacact gtgctgctga ccg 443

<210> 25759
<211> 456
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-048-Q1-K1-C9
<400> 25759

caaagctctc tggcatctct gaaatcatcc ccgagatgga gatctgcgat tttgactttg 60
aaccctgtgg ctactccatg aatgcgatcc atggctctgc attctccaca atccatgtga 120
cgccccagga cggtttcagc tatgccagtt atgaggttat gggcttggat gccactgctc 180
tgtcttatgg tgaccttgct aagaggggtc ttcggtgctt tggccctctg gagttttccg 240
ttgccgtgac catcttcggc gggcgtggcc atgccgggac atggggaaag gcacttggtg 300
cagaggtcta tgactgcaac aacatgggtg agcaggagct gcctggaggc gggctcctcg 360
tgtaccagag cttctgtgct gctgaagacg ctgttgctac ctgcgccaaa tctgttttcc 420
actgctttga cggcgagaac gtggagagtg ctctc 456

<210> 25760
<211> 300
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-048-Q1-K1-B4
<400> 25760

gaccccgtag ggtttctcgg aaggcaagct ttttcttggc ggcggccacc ttaaccggcc 60

gcggttgccg ggatgtgccg taaggggtggc cgataccgcc acgccttctt ggaagccttc 120
ccaagggcag gaagcaaata ctggacaccc atctcctcct agatgttcac tcttaagtgc 180
tggaagatct tttgctggaa ctccagaatgt ttcaagtctg cagaaggatg aagcatggaa 240
agtgaatgtc cgcattccatg gttgcaatct tgaccagggt tatctatgtg gaacgatgga 300

<210> 25761
<211> 446
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-048-Q1-K1-B5
<400> 25761

caagcattga agccgtagcc gccgtcgccg gacgagacag gttgaggcgg ggcggcaatg 60
gccgccgggg accttgaggt gctcaccgag ctccacaccc cgaagacgca atggtagcac 120
ttcaccgcca tcgtgggtgc cggcatgggg ttcttcaccc acgcctacga cctcttctgc 180
atctccctcg tgactaagct cctcggccgc atctactaca ccgtggaggg gtccgagacg 240
cccggcaccg tcccgccgca cgtgtccgag tccgtcaacg gcgtggcctt cgtgggacag 300
ctgtcagggc agctcttctt cggctggctg ggcgacaagc tcgggagcaa gaaggcttat 360
ggcatgacgc tcatgtcat ggtcctctgc tccgtcgcgt cggagctctc gttcggccac 420
accccgcggt ccgtcatggc gacgct 446

<210> 25762
<211> 226
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-048-Q1-K1-B6
<400> 25762

cccacgcgtc cgaaaaaaaa aaaaataaaa taaaaaaaaa aaaaaaaaaa aaacaaaaaa 60
aagaaaaaaaa aaaccttaaa aaacataaac aaactcaaca ccaaaaaaac aacaaaaaaa 120
ccacttaacc aacatactaa aacatcctca tgaagtactt caccgacacc tacgacctct 180
tctgcatctc cctcatgact aaactcctca gacgcatcta ctacac 226

<210> 25763

<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B7

<400> 25763

cccacgcgtc cgacccatcg tccgctcgcg tgtcctttgc gctcgcgaac tccgtcgccg 60
gacacgagcc agggacaccg agtgtggtga gggtgccctt tcccttcccc caccctcatc 120
gtcgtcttgg accagctctg tacgtaccgt ccgtcgatcg tcccttcccc tcccctctag 180
catcgatcgc agcctcctct gctactgcc agtctctgtg cctgccgaga caagcaaggg 240
ggtcgtcggt cggggctagg ttgttccctt aattcattct aggggcagat cagatcgaaa 300
gaaatcaaac taacgtagcc atggaagaag ctccacgtca ttccatgtag ttactttctt 360
agagcgcgcg gtggcggccg gctagaagct ttgttcgttg catttgaatt caccacaaa 420
ggagaaggcg cctggtggcg t 441

<210> 25764
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B8

<400> 25764

cccacgcgtc cgaggtcctt caaaggccat gatagctcct gcagtagcta tcagagtctg 60
gtcactatct ctgagaggtc cttcaatgtc tctgacagca tcttctatgt ctgtaaagga 120
agacaaaact ttctcacaca ggtcacatga tgcaacagaa tctgtgccga tgaatctgag 180
cgcacgtcaa atcacactct ctgtgtaatc catatgtgct gaatcaacat gctctgaaaa 240
tacttctgtg aactatgaag gcatcgctca tacttacagt gtgcttgtgt tagtctctgg 300
atctaacgtc tcacgttttg acgctcttac tcagagttat cacttttcac tttcttttca 360
gatccattac tgtcatgtag gaggttcat tacaacct 398

<210> 25765
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B9

<400> 25765

gactgcgtgc gtggatcaga aaatggggat ccaaacgaaa agcgtgtagt acatggtgct 60
gctcctgtca ctgactgtat ctgcggaacg gaatatgatg gaccgactac gcgctcatgc 120
gcttccacct atacatcacc ataacaaacg ggctgcacgt gctgatcgag ctgcctcaac 180
tggtactgta cgccatctac tacaagaaca cccataagat agtgcacgca cgcattgtca 240
aggcaggcca ggctgtcaag actcaagcgg atgcccacgg tagcaggagc tccaacaacc 300
accgctgtgg cagaagcaca tactgaggat cataactact acgacgtaac ctggatgtga 360
gcacactaca cacaacacca agcaaca 387

<210> 25766

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C1

<400> 25766

cctacgcgta cgccaacgct tccgctagct taactgtgct gtccggacca acaactcggg 60
gcccggttaa ctgatggccg cgcagagtgt cgtcaggctg ctcatctcca tgctcgtcat 120
ttactgctgt ttcgaccgct tctgcccgtc cccgacctac accgacatta cgctgtgctt 180
ctatcacata gtgactccaa ctatgcatct gacacactac cactgtctac gctcaccaac 240
agcgtgcata tgcacattga cct 263

<210> 25767

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C10

<400> 25767

acaagggcga gcagcaccga ccgagccgat ccgtctctct tattggttct tcttcaatag 60
agcagcatag caggaaagat ctgtgagcgt tcttgacgcc ggcaggggtc caggattacg 120
aaggaaacca agaacgcaag aaacgtctaa gaagagggga ggaaagattt ggggtgtagat 180

tggtagatat attacacagg ttttgttttg ctgtaggtta ttagcaaata aatagctgga 240
gaagaagcct ggctaaaaaa aggtgaaatt tgtggagaac atgtttggga tccaaaccag 300
ggatgtggca gaagattgca actcctggag gaggacatta atgaacacac ccaccgtctc 360
aatgcccattg aacaaccaca acattatgta caacacaggc aagagtttgt tcaatgtaca 420
cctcatgtct gtcaagtttg aagacctgta tggattcatg 460

<210> 25768
<211> 459
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C11

<400> 25768

cggacgcgtg ggctcgaaag agccttcgc cagcgaggct ggtgccgcag aggagccgtc 60
gacggccgag gccggcgccg catcgccga cagccgcct gagccgacc acacttcttc 120
ggactcgcca gcggagtctc ctggcccgcc cgctgaccac gagagcggca gcccgagcat 180
gttgggtggc actggccttg ccttggtcat gctggtcgcg accgtcacgt cctccgccat 240
gctttgtttc taaacgacca cgatcgctct gagtttaata tggatcatgca tgcattggctg 300
tgaggagccga tgactacgcc ttattacgag tctctgaatc tctccttagg gtttttttagg 360
ctgttcgagt catccttttc ggtgttacct agcatctatg tatgttgttc gcgtatcgcc 420
tcgtaattgt taactacgat gaatgaattg ttgcatagc 459

<210> 25769
<211> 452
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C12

<400> 25769

cccacgcgtc cgggtgccag gccttgctt ctcgcggcgg tgcctcctcc ctctgcgtcc 60
ggcagcgacg cacgcaggcg cgcgcgcgga catgaagggg ggcggtgcca tgaggccgtc 120
ggctatgttc tacgtccacg aggcggacgt cgtccagatc caccacttcc tcgaggagtg 180
ctcctctgc gccaaatcgc tcttcggcga catcttcatg tacaggggtg acacgccgtt 240

ctgcagcgag gaggcaggg agcagcagat cgaggtggac agggcgaagc accggcggaa 300
gaagcgcgcg gtggcgcacg cgctgtccga acgcagcagg gagcaccggc accagcagca 360
gctgcagcag caccaccacc agcagcagca accgcagtcg cggaatgccg gcatggacac 420
ccgccacccg tgggtcgacg ccgggttcgc ca 452

<210> 25770
<211> 116
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-C2
<400> 25770

ntccggggct ccgacgaaag ggttggcatt caagttaagg tggtcgaccg aaaccccccg 60
gttcaggacg ttctggaaca aattcttggc tggaatttgg aaggacaact ggttcc 116

<210> 25771
<211> 446
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-C3
<400> 25771

gatgggtcag tgtgtggaga caaaagaaaa acagaaagca tttgacattg gccagaaata 60
cgtacgacat gccgtggcct ttgaaggat ttctcctgat gtgcctctct ataaagtcaa 120
tgaagggaat gaaccttget tcttcaggac atacttctcc tgggatagcg cacgatccgt 180
gattcatgga aactcttttg agaagaaact ttcagttctt ttcggaatgc gttcagaggg 240
tggcaataag ggctcagggtg atgggtgggcc aactcaaagg gcatcagcct tggccgctct 300
ttcatctgca ttgaatccat cgtcgcaagg aaaacagtca gatgagaagc ccacaagctc 360
agatgacagc gagcatactc aacgagcttc agcaatggct gccttgtcct ctgnccttaa 420
tccatcgaca aaacctagca gcacac 446

<210> 25772
<211> 438
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C5

<400> 25772

cggacgcgtg ggcgcgatcc gacaacgcct ccatccctag ccgactgctg caagcttcag 60
ggctcaagag tcagggcgcc atggcgacag agacggagac cttcgccttt caggctgaga 120
tcaaccagct gctctcactc atcatcaaca ctttctattc caacaaggag atcttcctcc 180
gggagctcat ttccaactct tccgatgcgt tggacaaaat caggttcgag agcctcactg 240
acaagagcaa gctcgatgcg cagccggagc tgttcatcca cattgtacca gacaaggctt 300
cgaacacgct ctccatcatc gacagcggca tcggcatgac caagtccgac cttgtcaaca 360
acctcggtac catcgccagg tccgggacca aggagttcat ggaagccctt gctgctggcg 420
ctgatgtgtc tatgattg 438

<210> 25773

<211> 300

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C6

<400> 25773

cggacgcgtg ggtcaaaaaa aaaaaaaaaa tatataaaaa aaaaaaaaaa taaaaataa 60
agagaaaaaa aaaaaaaaaa aaaataaaaa aaaaaaaaaa aaaaataaaa ataaaataaa 120
taaaaaataa aaaaataaat ataataaatt ttataaaaat aaatattaca gcaactctat 180
tttatattca ccagcttatt ttctcctttt attatactta atactttttt atatgtttac 240
acactttcta atttgatcaa acttctttta cactcctagc tattgacaaa cttgtatttt 300

<210> 25774

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-C7

<400> 25774

agcgctcac agaagtttag gcattccatg aagaggggga ggaagagcag caaggtgatg 60

gccatctcga ttctggatga gcgtaacct gaggaggtgc aggctgtgga tgccttccgc 120
cagcttcttg tacttgaaga gctgctacca tcgcagcatg atgactacca catgatgcta 180
agatttctca aggcaagaaa gtttgatata gagaaggcaa agcaaattgt gtctgatatg 240
ctgaagtgga gaaaggagtt cggcgcagat accattctcg aggaattcga attcgaagaa 300
gctgataagg tggcagaatg ctaccctcaa gggttaccatg gggttgataa ggaaggcagg 360
cctgtctact ttgaacggct tggacagatc gatgtgaata ggctaataca ngtcactaca 420
atggatcgct ttgtcaagaa ccatgtcaag 450

<210> 25775
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C8

<400> 25775

gatcggacgg gcacgggaag accgcgtcaa aatccaccac caactcgtcc eggcccctgg 60
gacggcagaa acggacgcat cgtcgtgctc accgcaggga atccgcgcga gcttccccct 120
tccctacatc cggaggcgca aaaggcaggg cctagtgttt ccccatcccc agttattttt 180
tcttcttctt ctttaattta cagcaggaag ccaggaactc aaccaagag ggggaaaaaa 240
aatcaatccc cggagaccgg agccctgagc aggtgaagaa atcctagaat ctccagcacg 300
tctgccccgg tctccattga ccataaccat atgaggaaga aaaaaattgc ttttccaggc 360
atggcctggg atttgccgag atctcccctt cccggcgtgc ccaggcacag cca 413

<210> 25776
<211> 264
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B12

<400> 25776

acgaacctgc ctgtcacatt gttcattttg actttctatg tcaactgttac agtccacgg 60
accggtttgt ttgtcaagtg cttattgaac acaactacca catagatata ctaagcatcc 120
aaagaacaga cggattcatc ctgccaagac accagctgct ccaatcacgg atgtccctac 180

tgcccttagcg cccatgacat gttctaatat ctatccttaa ttcttaaaga tggtcattaa 240
taacccttc tttaaaagct cacc 264

<210> 25777
<211> 362
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H8

<400> 25777

ctgggcctgt ccacggtggt gaccatgatc ttcgcccgcg aggtgccgct ggaccgggcg 60
gcggcggcga agcatgacga ggccggggag tcgtcgggcc cgttcgccgt tttcaagggc 120
atgaagaaca tgccccccgg catgcctcag gtgctcatcg tcacgggcct cacctggctc 180
tcttggttcc ccttcacctc cttcgacacc gactggatgg gccgcgagat gtaccacggc 240
aggcccgcg gcagccccga ggaggtggcc aggttccagg agggcggtcg gcaaggcgcc 300
ttcggactgc tctcaactc cgtcgtcctc ggagccagct acttcctcat cgagcccatg 360
tg 362

<210> 25778
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H9

<400> 25778

gccatcgact gcggcgcgag ctgctcgtac cgttgcagca agtcgggacg gccaggatg 60
ggcctgaggg cgtgcggcac ctgctgccag cgctcgggct gcgtcccgcg gggcacctcc 120
ggcaacgagg acgtctgcc ctgctacgcc aacatgaaga cccacgacgg ccagcacaag 180
tgcccgtgat ccatccaccg tggttcccag catcagcagc ttgcccacaa agacatgata 240
cctacatata tataagagta cctagctgct gctgctctac taccttgctg gttcattata 300
ttgtgcgcgt gcatgcatga ataaataaat gaacatatta cggcatgtac aatccagata 360
cggctgcacg gtactccaag ttcaagatac aactgaaaca caacacaata ca 412

<210> 25779
 <211> 330
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-A1

 <400> 25779

 cgcgacgcgt gggcgagtag cttcgcaaag atgaacgaat ggtgtgacgg atcatcaacg 60
 ttgggcatgg ggtggagtag ctcgacgaat acgcatctgg tacagggcgc gtgactcgcg 120
 gcaaagtctg ctcaggcgtg ctcttgatgt cttcaccgtg gagccccgc ccaaggacag 180
 caagctggag ttgcatgaga atgtcactgt aacacccac cttggagcta gtactgtcga 240
 ggctcatgaa ggcgtcgcta tcgagattgc ggaagccggg ggtggtgcac tgacagggga 300
 gctcgacgca accgctgtga atgcgccat 330

<210> 25780
 <211> 454
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-048-Q1-K1-A10

 <400> 25780

 ctcacgcgtc cggatcgatc gatcgctgcc gtgtcgtttg ccagacacca tcatcaccca 60
 ggaccatggt ctgcaacctg gtcagtgcg ccaccgccgt cgtggcgacc gtcgcgcccc 120
 gcacccttg ccttgcgtcg tccgcgtccg tctccttctc cgagaggaag ccggcgggcg 180
 gcagcctgcg gctgcagcgg catgcgtgct gcgagccgtc ggtggcgccg tcgcgggccc 240
 tgttcgactg ccgtgccgcg gcgtcggaga gcgcggacga cctggccttc gggggcagga 300
 tgtcgtccgg cgatgccgtg ctcgtcatga tgccgatgga caccgtcaag gagtgcagca 360
 ccgcgtgca ccgccgaaag gcagtgcatt ccagcctctc cngcgtcaag agcgcgggcg 420
 tcgagggcgt catggtggac gtgaggtggg gcat 454

<210> 25781
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A11

<400> 25781

gggatcgtca tccgtccac ccacaactgc tocagatcca ggcacggcac ggcacggcag 60
gggggccaac ccaagcccg cttctcttct ctctcgccg tcccgactc gccgcgacgt 120
gacaagacaa cgcgacgcgc gcgcatacgt cgtccaaggc acgcaggggc cagccaagcc 180
aaccaatcgc gtccgtccgg gtctggtggt ggccggaatg ggcctcctcg atcagctctg 240
ggacgagact gtggccggcc cgcgaccgga ctccggcctc ggcaagctcc gcaagtactc 300
ctgcttctcc cctactcct cctcctcctc gtctccatc ctggcccccg cgccggcgcc 360
ggcgccgtcg gtgacgcgca gcatcaccat cgcccgcccg ccgtcgctct ccgtcgagtc 420
ctacagc 427

<210> 25782

<211> 451

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-A12

<400> 25782

ccggtgcgga ggtctgtcat tggagggagg ctctctccg ctgcgcgcgc gcgtcgcggc 60
ctgggcgagt ttctgtctgg ttctcgtcc ctccggagag attttgcgat ccttggcggt 120
actgttcgat tgcaaacagt attgctgctt ctctgaggag gcattagggc tatgggcagt 180
tgaactgaac cgccgcggca gaaatccatt cgtgggagag agaaatcaaa gaggagagtg 240
agtgatcatg gagcgcgatg ttggagggaa gtataagctt gggaggaaga ttgggagcgg 300
atcttttggg gagctatatc tcggtgttaa tatacagaat ggtgaggaag tgggaataaa 360
attggagcct gtgaaaacaa aacatccaca gctgcactat gaatctaaag tttatatgct 420
actgcanggt ggaaatggta tcccacacct c 451

<210> 25783

<211> 379

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-A2

<400> 25783

ncgcccacgc cggtccgccc aacgcgttcc gcccacgccg tccgggacat gacccgcaag 60
catgctctgc gttggtttca acgcttgagg tgaagccaga gatttgcttg ttgcaacaag 120
attggatgcc accacaccca agtactccaa ggcccgttat gatgagattg tgaaggaagt 180
ctcttcctac ctgaagaagg ttggatacaa ccctgacaag atccactttg ttcccatctc 240
tggttttcgaa ggtgacaaca tgattgagag gtccaccaac cttgactggg acaagggcc 300
aaccctactt gaggcctttg acttgatcaa tgagccgaag aggccttcag acaagcccct 360
gcgtctcccc ctacaggat 379

<210> 25784

<211> 246

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A4

<400> 25784

ctcacgcgtt cggccaagcc ttccgggggc cgaaaaaacc caggcaggtc atcggttcag 60
gaaaaggccc acttagcaac caccagcagc agcaggccaa ccggttcgac gacatggccg 120
gcttcggggc cggcgccgtg ttggcgctcc tagtgggcgt cgcgggcgtg gccgcgttcc 180
tggcggtgcc ggcctcggcg aagtcggggg agctgatcgc gatgggggtg ctggcggcaa 240
agggcg 246

<210> 25785

<211> 396

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-A5

<400> 25785

cctcggcatg ttcagcaagg actcgcgccg ccgactgctg tcgtcggagc aggatgagaa 60
gggctggccc gtgtggatgc ggtcgccgga gaggaagctg ctggcgtcgg gcaaccagcc 120
caagccgaac gcgatcgtgg ccaaggacgg tagcgggcag ttcaagagca tccagcaggc 180

cgtggacgcc gtgccaagg gccatcaggg gaggtacgtc atctacgtga aggccggcct 240
ctacgacgag atcgtcatgg tccccaagga caaggtaaac atcttcatgt acggcgacgg 300
gcctaagcaa agccgcgtga ccggccgcaa gagcttcgcc gacggcatca ccaccatgaa 360
gacccgcacc tctncgtcga ggcgccggg tcatct 396

<210> 25786

<211> 337

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A6

<400> 25786

gatccctcga gtcttgtggg gtgcgatccg cgatgctggc gcgggggcaa ggggggtctc 60
ggtttgaatt agttgatttc gcagttcagg gtgcgcatct ggtgagtagg gatccagaga 120
acgggcgttt tgagccggat ctaggggtag tggccactgg gctagcttag cttccgcta 180
atgacagtat agtgacgccc cgtgcttttc tggttctaga aggggtgcgc aggtgctctt 240
gctgtgtgat ctttgtcgcc ttgtgacgt ggggaccggg ttattggcgg gagtttgtca 300
gaataatata taaagaactg gtgccacgaa atcgggg 337

<210> 25787

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A7

<400> 25787

aaccttacct gtgggagaat gagaagcaat cttacaagcg tcatgttggt ctttttggtt 60
gttttgtcca actgaatcac atgtacactg gtactatgca aaaattacca acaaaatcaa 120
atacagattc aaatatcatg agatgctctc aggttccaag attcaagtac ctaccaatca 180
gtgctccagc tatatcatca agatcacaca aaccatcact acagtctctg tctagcgagt 240
ccacatctaa aaatccttgg aaatcctatt caaatggaga tagatctact acaccagagt 300
ttgatgataa tgcaagtctt gttgggtctg ctccattgct taagtcattt gttactcagg 360
tggggaccaa atttggggag aacacatcga gatgggggttc catgctctct gatggacagg 420

ttggtaagct aagtgacatc cttcctgg

448

<210> 25788

<211> 168

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A8

<400> 25788

gtaactacgg gcccgactcc aatgggttcgg agtacttaat gaccaccgta gacgataacc 60

ggttgcccaa gacgctggac ggacgccacg tgggtgttcgg tacggtcgtg aaagggatgg 120

acgtcgtgcc caagatccaa tcctaggggtc aggttaaccg cgttccca 168

<210> 25789

<211> 449

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-A9

<400> 25789

gtctggatgg cggatggcgg ttccacaaac tctcctgcta gttatgctgg tcgtcgtgct 60

agcgatgtgt cgtcgatgtc gccaaactcca gtcactccaa tgctetaacg cttgacgtgc 120

gcgttgact cgacagccac agtaggttca cgcgtcggac ccgagacaaa tcctgacct 180

cgacaatcgt tgtacgagta ggcgtgacgg atgcgtcacc aacgctggcg cgtgccgcta 240

caatgacact cgcacgcatg ggtacggctt gcacacagtg tacgtgagca ctgtgctgtt 300

cggagaccgt acggnctgct gacgggtgcta cgaggtgctg cgcgtgtaca gctctagcag 360

gtgcaagcct gaagcggcag agctgatggg gacggtgacc gaactgtgcc cgtgctaaga 420

ccaatgatgc aagccaccgc ggtaacact 449

<210> 25790

<211> 436

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-B1

<400> 25790

gctcctacac aaatgcaatc cgccgtcgtc tacgtctcga ccaacgaacg ccatagcgca 60
gctgatcgag agagagaaca gaagggagga gagagggcct cgccggcgac ctctgctccg 120
gccttgatgt ggggtgcccag ttcctcgtcg ggcagtgccg agcgtacacc gagaaggctcg 180
cgctctcgcc gatcaagtct ggaggacgag ctgctcagaa cgcgctcgtcg gcattgaaaag 240
aagtcattggg ctctacaca aatgcaatcc gccgtcgtct acgtctcgac caacgcgtga 300
ggttacgagc cacctgaaga acaagttggt agctggaatc tcaagtgccg ggtcaagagc 360
aggtaccgca ggatgaggcg catggaggat gctgtgacga gttcgtgaga ggtctangcc 420
gtcgtctccc agtcaa 436

<210> 25791

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B10

<400> 25791

cggacgcttg ggcggaaatg tggcatcaaa gagtataaaa ctattggagt tcgctgggcc 60
gggagggttaa accagacact attagaaaca tcatggacat gaaggcaaac ttccgggtcat 120
ttgctgctgc actcaaggag aaagacgtat ggttgacgaa tggtgagcca catgatgaac 180
catgcaccct caagataatc tatgatagag ggctgatcgg cagcaatcac gactgggtgtg 240
aagccttctc aacctatcct ataacatacg atcttctaca cgcattggga gtcttttctg 300
accttgataa aagaggctgc agtgccgatg acctgctcca tgaaatggat cgtatcctca 360
agccgactga gtatgccatc gtgaggtaca tgggcaacct cattgagtac atcaagaagt 420
accttcacgc ac 432

<210> 25792

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B11

<400> 25792

aacctgtctg tcacattggt cattctgacg gtctatgtcg ccgcgacggc ggcacggacc 60
 ggctgtgcgg tcaaatcttc ggcgagcaca acgaccacaa ggaaacacga agcagccaaa 120
 gaagagacgg atgcgcctgc caaggcacca gctgctgcag tcaccgaggg gcctgctgag 180
 gtagcgccca tgacatggcc gaatggcggg cctgagttcg tcaagatggt catcaagaac 240
 cccttcttta aaagcgcacc tccatatggt agcgaagacg gcctacccat tgacccact 300
 acagaaggca gcatgaacta aattaaatac caattacgag accgaccaga tatgcatgga 360
 gcatgcaaga atgttgctga acgaatatat gctatgaatg gttacatgta ctggctacat 420
 ttagttcaac ttaatttctc tagtgcgctg aaagct 456

<210> 25793
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-H7

 <400> 25793

gcgccaccac ctgcatccgt gcgcctgtcg ctctcgctgg tgggtgctcct cctactccgg 60
 ctgctcccg ggcggggcg ctccttttcc acctgctgct ggtgccaggg ccgggagggc 120
 gtcgcggagg tggcgcgcat ggggctcgcc ggggacgggt cggcggacac cgcccacctc 180
 agtaataatg aaaatgggcy gttcatttat ggagttgcga gttctcctgg taaaagagca 240
 tcgatggagg acttctatga ggcaagaata gacgacgttg atggagagaa aattggaatg 300
 ttcggtgtat atgatggtea tggaggagta cgagcagctg agtatgttaa gcagcacctt 360
 ttcagcattt taatcaaaca ccaaagttc atcactgatg ccaaagctgc tatcgncgaa 420
 actta 425

<210> 25794
 <211> 370
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-G10

 <400> 25794

acccaaaaaa aaacacaaaa gctctataat gcctgcacta aacaaacaag acgggggctag 60
 ggcacgctta acaatgggca cgcgatccct atgaggatat tctgcgcgct tggtcactct 120
 agacatcctg aacatgtcaa ccatagcatt agaatgctgc aatcaatatc taacaatgct 180
 tgcaaaccag atgaaacaat ggataagcac tactacgtag atattactct ttacaaaaca 240
 tgggattata caaaaagcct acagcttttg gaaagatgct tatagatcca acatgactgg 300
 agacaagcca taactttgca aaggctccct gaataaaaaa ccaaagaga tggctctcatt 360
 ggcatggcta 370

<210> 25795
 <211> 354
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-G11
 <400> 25795

ggacaggcgc tggatgatcg catctacgac gagcccatga cccctggaca gtgcagcatg 60
 ggggttgaga ggctcgggga ctacctcgta gagcaaggcc tgtgattgaa tgcataccaa 120
 caacgacacc aacgccaaca ttaattaatt agtagtctcc atgccctggg attgcgcgta 180
 ggctctacgt tcaacaccac ccacccctcg ttccggcattt tttccccctt gggtatataa 240
 ttacattgta tcgttttggc aaatcatttt gtgattcgac cccaaagcaa gtttggttgt 300
 cttacgatth gtaaacctgg aacaatatat aatgtgattg aactgctttg tctc 354

<210> 25796
 <211> 374
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-G12
 <400> 25796

cggacgcgtg ggcggacgcg tgggatacga acgtcgtaag agaacctttc tcccggctcc 60
 agctttctcc ttttcttgcc acggcaaaac accttcgccg gcgagagcat ggcgatggcg 120
 taccgtgtcc tggaggtcac cctggtgtcg gcaaatgacc tcaagaaagt gtcgctcttc 180
 tcccggactc gcatctacgc cgtggcttcc atctccggat tcgacctccg catcccttcc 240

cacagcaccc aagcagacca cagcaacggc tgcaaccct gctggaacgc cgtggtacac 300
 ttccccatcc cggctgccgc tgacaccgc ggctcgcac tccacgtgag gctccgcgcc 360
 cagcgtctat acct 374

<210> 25797
 <211> 350
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-G2
 <400> 25797

ggagcccgac gcacctgtgg ttctgcacct gggcgcttct cctggggtcg ctggcgagct 60
 acgtggcgct ctggctggcc ctggacgtgg cgctggccct ggccgcgcag cgctcgcgcc 120
 ggcgcctggc ggttccgctg ggccccatgc ccgcggcgca cgcgctgctg atggccggcg 180
 cgtcgtccgc catcttcgcg gggacgctgc tgtcggcggt ggccgagata cgggacacgc 240
 ggtggctcgtg gcgacgccga agccgcagca ccccgttcgc gagactcctg tgcttcccg 300
 ccgggacacg ctctcaggc cgcagtcttt ttctgggcct acgcctacta 350

<210> 25798
 <211> 341
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-G3
 <400> 25798

aattcctgga gcgaccact cctcgcacgc gtttctatac tgatcaagtt ttatctttta 60
 ttccatcaac atctacaacg gtgggtttata ctgacctat gacgactctg ataaacattt 120
 agttacaata cattatcaac acttctcttt ctcttcaac aactctgaga attacatcat 180
 gaaaggtata ataaacctcc aagaaaagca aatgaagaac tttacgatac actatgcgga 240
 cggtaatctt ctatgactaa ttatatactc cactttcact taccactctc ttcgactaac 300
 ttttgaacat agatatccat tgcaaatcca aacctaaaat c 341

<210> 25799
 <211> 230
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G5

<400> 25799

aggacgcgtg ggcggacaca tgggtcagac gctgccaatg gaggcccata tggcactggg 60

gagacagaca gtactaatgc tgctcatgct gcatgtgcat ctaggaacga caatacttga 120

actgagactg ctctcatacc cgacggcgac ttactgcgta gggatcttaa cttgacaggc 180

gattgcaagg accacgtgac catacaactg tactgtgact tggctctaaa 230

<210> 25800

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G6

<400> 25800

acgcatgcgt ccaagagccc gactcacctg tggttatgca cctgggcgtt cctcctgtgg 60

tcatgggcca cctacttggc gctatggctg gccctacacc tagcgctggc cctggccgcg 120

cagcgccctg gcctgcgcct gacggttccg ctgagcacca tgcccgcggc gcacgcgctg 180

ctgatggcca gcgcgtcaac cgccatcttt accgggacga tgctgtcggc ggtggccgat 240

atacgggaca cgccgtggac atggcgacgc cgaagccgca gcagcccgt gcggaactg 300

ctgtgcttcc ctgcccggac acgctcctca ggccgcagct ttttctgggc ctacgcctac 360

tacctggccc gct 373

<210> 25801

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G7

<400> 25801

cccacgcgtc cgagacggag caagaaccac ctccggctcc ggcgccaccg ccaccggcac 60

agcagcggcg gcaccatacg aggcggagaa gcaggaggtg atcaagcagt gggcacaggt 120

cgctgacgcc ttcagcgctt ctgaagctta caacagcagg ttgaggcaga cgcttgacgc 180

caagcagctc aagactggaa tgatgcacaa ggggaaggtg aacaggggtg acttctcagg 240
gccgctgctg tcgcagcccc ggcgcatcga cgagctcctg cacatccacg agcagcagat 300
ccggcaagct ggtcgccggc catggttcat gaaaggcacc gaggaggagg agcactgatg 360
gcagagacac ggcatggaca caactaaacg cccatcagat ttgcacgtac ttaccacaga 420
gcaggagaag atgctg 436

<210> 25802
<211> 97
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G8

<400> 25802

cccacgcgtc cgatccattc attgtatttg ctttgccatt tctccccttt ctgttagtgg 60
cgatatgtaa agaggggaga atgggagaca ctattcg 97

<210> 25803
<211> 171
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G9

<400> 25803

gttgaaagca gatgtgacag ccgttttaac gttcgtcttc actccagatc caattgcaaa 60
cgcgaactat catgggggtg ctccctctgca tgatattgca aagcaaattg ctacatacaa 120
tgctaccagc ccatcatcac tgcaacacaa ggcacggacg acaactacta c 171

<210> 25804
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H1

<400> 25804

gccgacaaag aagcaaacat tcgcgcctc ctgctgccgc aacctctcaa ccgtgagcag 60
tcagcgctgt acgggatcct cagcttgtaa aaaacacgca cacacacgca tggctcatcc 120

atccatccat ccatgctaca ttgagctca ttgctgtta tttccaatc ctggttagtt 180
 ctgtgaagct aaccccgcat ccgataagct aatcctgtaa atggcgcaag gagcatcagc 240
 tctggactgc tcctgttgta gagaaaaaa aatactacag cttagagttg gggaaggagg 300
 gcaatctgga aattcatcca aagctttgtg gcgtaacttg attatatatg tacttttgta 360
 aaacctacca gttgtggttc aaatccaccg gctactaact aactagccta tgc 413

<210> 25805

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H10

<400> 25805

cccacgcgtc cgctcagagg tgctgtgtca acgatttgcg ctgatgatcg ggaaggggggt 60
 cttatcatca gcgggaagtg gacaaactac catgaaatac tcatcaggaa ctcgatatcg 120
 gtctattcgg tatagccgca ggactagctg gtggactact tgctcttgga ggtgggttca 180
 ttatggggcc actgctcttg gaacttgga tccctacaca catttcaagt gctacagcta 240
 cctttgcaat gatgttctca tctaccatgt ccgctgtcga atactaccta tggaaccagt 300
 ttccagtgcc ttatgctg 318

<210> 25806

<211> 375

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-H11

<400> 25806

ggccatggcc gccgccgagc cgcgctgcc ctccgggatg ggcttcttcg gcatgctcag 60
 gttccgccgc agcgccaccg ccgtcgcttc ctccgacctg gcgcaggacg atgagctcct 120
 cgcgctcgac gccctccagt cccacgttgc cgcgcgcttc caggcgctct ccgcgcacgc 180
 caccctggc cctggctccc cgctcgctct caccctccct ttctctctcg agctcctcga 240
 cgcgctcgtc tcctctgacg acgccttcgg cggagtgtc gcgctggccc cagtcgccgn 300
 cgcgatcgcc agggcccccg ccgaccgct cgcggcgac ctctcgacc gcgcgctcaa 360

gacgctcgac gttct

375

<210> 25807

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H12

<400> 25807

cgtacgagtc acgccacgcg tacgactgga ctccctggtg gtaaaaatgc tgagccactg 60
aaagttggta taagggggca tgacctacag atgtgcactc ttttccaggc acaataaat 120
ggaaactggg atttcacagt aatagagact ctaccatcag ctacttcata ctcaccaa 180
ggagaactgc aaccacatt acagaaaatg cggattcttg ttggacaacc actaaagcag 240
cctgcaaatt acattagtgg ggatttcatt attcctgtga tggcagggtg tgattcaaca 300
cccgactatg gatttgagtc attttttgaa gatcaagatt gctgcaaagg tttgagtgga 360
tttctaatat 370

<210> 25808

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H2

<400> 25808

cccacgcgtc cgtagagatg ccgtctgct ccgcggcggc atcggcgccg gcgtcagcgc 60
ccccgtata aatccgtcgc accgcccac ccacctgccg tgccagtgtc ctcatctgcg 120
tacacggtct ccctcttct gtcagtagta gagtgagagt gaggcagcga gtgggagaca 180
aggggaaatg gggaaggag cgcaaggag cgatgcggcg gcggcggcg gcgaggtgga 240
ggagaacatg gcggcgtggc tggttgcaa gaacaccctc aagatcatgc ctttcaagct 300
ccgcccgtc ggcccttatg atgtccgcgt gcgcatgaag gcagtgggga tttgcggcag 360
cgatgtgcac tacctaagg agatgcgcat cgcgcac 397

<210> 25809

<211> 455

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-H4

 <400> 25809

 tcgtcgtcaa tgggtgaccgg cgctcgggt gacagtcccc aacatcggac ggcgatccat 60
 catgggcgac nntcgtctcg gggtcaccga tcatccagac accgtcatcn nggcgtcgtg 120
 cgacgacctg catcgtccat caggcccccg ggactctcca aggntgaaca tcactcggcg 180
 tgacccttgc gggcccgcc acggcgatca gcatnctgc agcctagggc cgggtacaatg 240
 gatgagaagg acgtcacttg atatcaaccg tcaagggact gcacgcttaa gaagacgtgc 300
 caatgggcgt ccgcatcaag gcattatgag gacgtgcct ccgtgcctca accgcctgca 360
 agaatccact ttatgagaat atcaagaatg gaggggaactc gggcctaccc catcatcatn 420
 cgacatgnaa gtacttgccc caacaagggtt atgca 455

<210> 25810
 <211> 293
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-G1

 <400> 25810

 atcattctgt cttcgcacat tttttttttt ttatgcaata aagatataca aggggtggtgt 60
 cttctgctcc tgggtctgct cattctgaca tttgcatttc aatatgtcat caatactgct 120
 cgatctagtg tgagaaccaa gggaaattta tattgaaagg tttatgaaac ataccgacac 180
 tgggaaatga cgaactatca tagacgttta cggtcgggag tcttccatgc tgaactctat 240
 catgcacttg gactttggac ttaatgcgga tgatctacga ctagagttat cta 293

<210> 25811
 <211> 392
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-H5

 <400> 25811

cccacgcgtc cgctcacgcg atcgcccacg cgtccagatc caattcgcca gttctggctg 60
 ctctgccgcc atggcgctct ctgtggagaa gacctcgtct ggacgggagt acaagggtcaa 120
 ggatctctcg caggcggact tcggtcgcct cgagattgag ctggccgagg tcgaaatgcc 180
 cggcctcatg gcgtgccgcg ccgagttcgg cccgtccaag cccttcgccg gcgctaggat 240
 ctgggggtct cttcacatga ccatccagac cgccgtcctc atcgagaccc tcaccgcgct 300
 cggcgccgag gtccgctggg gctcctgcaa catcttctcc acgcaggacc acgccgncgn 360
 cgncatcgcg cgcgactcgg ccgtcgtgtt cg 392

<210> 25812
 <211> 331
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H6

<400> 25812

atcaacttgc gcaccataca cagcttgtgt tatcgcatatc cagccgttta cacaggaggg 60
 cctttctgta aacttgtaac tgggttgaac ttttaaggaa aagataattt tgggtgctgtg 120
 attgatttca ctgtgaagag tgaaatgagg ctaagtattg ggcaagtcca tcggaatgtc 180
 cttgtactgg catcttcttt gtcattgttt gttctgagag atcgtgtttc cttcaggatg 240
 ctgtaccaac cattggtagc tggattttat caaactgctt gccgggaaaa cccatatttg 300
 gaccaaatca agggaatacc attgactctt g 331

<210> 25813
 <211> 383
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E2

<400> 25813

cccacgcgtc cgatcaaatt cttgttggga tatattcctc caattcccct cctccgcca 60
 acaaggcaac aacaatctgt tccggccgcc aaacaaaacc aaaaaaaaaa cactactgaac 120
 ccaataatcc gatcccacag aaacttttct ctcggtcctg tcgatcgatc gctgccgtgt 180
 cgtttgccag acaccatcag caccctaaac catggcctgc aacctggctc agtgccgccac 240

cgccgcccgcg ggcaccgtcg cgccccgcac ccctcgccct gctgcgtccg cgtccgtctc 300
 cttctccgcg aggaagcccg cgggcggcag cctgcggctg cagcggcagg cgtgctgcga 360
 gccgtcgggtg ggcgccgtcg ggg 383

<210> 25814
 <211> 384
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E4

<400> 25814

catgcatgaa gaacgaccaa ccaatttaat taattaagga gtgtgtgcag tggatgggca 60
 tgccacgaca cgacgtacca cgacgactga gtccctggcg gagagcgca ggacgtcgga 120
 gcaggacacg actgcgccac cgcactcctt ctggaggcgg tcgtggatgt cgctgatgga 180
 cttgaacgcg gtggggcgca acgtgagggt gggcggcgcc tgctgctcgc ccgggccggt 240
 ggctgagccg tacaggagca cggacgcgtt gcagccctgg acgaagcagt cgtggaagtg 300
 gatgcggatg acgccggcgg cgaagacggc gtacatgcgc acggtgtact gcacgaacct 360
 acgcacgacg gacttcgacc tggg 384

<210> 25815
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E5

<400> 25815

cgaggagatg catgacgccg agttagggtg cagtttgaag accaatgggc caggagtagc 60
 ctacttctac tgggttataa gagagcaagg ctcttcgag tggttcaaag gtgttatgaa 120
 ctacgttgcc gatagtgatc gcgacgatgt aatcgagatg cgcaattacc tgaccagcgt 180
 gtacgaggaa ggcgacacca ggtcagccct gattgccatg gtccaatcac ttcagcatgc 240
 taagaatggc gtggatatcg actcatgcag caagattcga acgcattttg caaggccaaa 300
 ctggagaaaa gtgttctctg attcggccaa tgcccacaag aactcacgca tcggcgtttt 360
 ctactgtgga tcttcaacac tgaccaagac cctgagagat ctttcgatag agttcagcag 420

taccacgacg actcgg

436

<210> 25816
<211> 376
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-047-Q1-K1-E6

<400> 25816

tgaccatcca ggtggatggc aatctgctgg cgaccacgga cctaagccag tacaaggaag 60
atggttaattg gatcgagatt ctacgcgtgg ataacctggt catcaccggc aagggaacc 120
ttgacgggca gggcccagcc gtgtggagca agaactcctg caccaagaag tacgactgca 180
agatccttac caactcgctg gtgatggact tcgtgaacaa cggggagggtg tccgggatca 240
cgctgctcaa ctccaagttc tttcacatga acatgtacca gtgcaagaac atgctgatca 300
aggacgtgac cgtgacggcg cccggggaca gtcccaacac ggatggcatn cacatgggcg 360
acttattcgg gatcac 376

<210> 25817
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E7

<400> 25817

cccacgcgtt cgctcacacg tccgcacacg cgtccgcca ctcgttcgcc cacacggccg 60
atctttccat ttccctatct gccactatac aattcgcgag ttcttccttc tctgcgcga 120
tggcgctcta tgtggacaac acctcgatg gacgggagta caacgtccag gatctctagc 180
aagcgcactt agctcgctt gagattgatc tggcccaggt cgaaatgcc gaactcatgg 240
cctgccccgc ccagtttggc ccgtccaagc cctttgccg cgctaggatc tccgcgtctc 300
ttcacatgac cattcacacc ggcgaactga tcgagaccct taccgcgctc gatgccgagg 360
tccgttggtg ctctgcaac atctttcttca cacaggac 398

<210> 25818

<211> 383
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-E8

 <400> 25818

 cacaaaccac gcagcggagg cgaccacaaa aaaacacgcg cggcaggagg aaggcgagga 60
 agcatccctt tgttcaattg accccaccac cgcccgctgc tgcttcgttt ctagctcgag 120
 agagttagt ggggttcttg attccgaagc tccgagctcg tgggattgaa ttgagcccc 180
 ccaagatcag aattggagca gcggtttttg gtttctctgt tgggtgccgt gattggagta 240
 cgcttctttt gtgggtggtt agaggctgct cggttccgc cgaccatgtc cgtgccggcg 300
 atagccgtgt acaccagccc gcccggcgcc gtctacgcgc cgtcggagct cgagtccagc 360
 tcgcgcggct cggcgccgtg cgc 383

<210> 25819
 <211> 64
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-E9

 <400> 25819

 gttgtaatag tgattcaatc aatgtatctc gctttcaggt gcccatcaag gatgcgacag 60
 ggtc 64

<210> 25820
 <211> 301
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-F1

 <400> 25820

 ttaattcctg gaggaccac tcgtccgatt caaagtctag tagaattccc ttctattcat 60
 cccgctgtgc ctcatcaagg tagatcaatt caaaagtatt tgctgccat actcctat 120
 catctccgtc taacaatacc acaactatct cttctattac taaaccct aatttatatc 180
 atatctctac tcatcagttc cactaatcaa cttatctttt aattacaaca atctattccg 240

actcattctt aacacttaca catctttcct cacttatcaa atctactccg tccaattttt 300
t 301

<210> 25821
<211> 345
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F10

<400> 25821

gctctcgctc tctgagtgc aagctcagaa attaaaatcg cttattagtc atataggga 60
tggtcacgta ggaatcttgc atgctagaca agaactcaca ccatcaatac acacgaccaa 120
ctggtaatgg tagcggcctc cttaattacc ggcattgatgt gcttaaagaa tgattattat 180
ttcaatcata ctgtgcacca ctacctggac aaattgctac ctgagcacia gacatacatt 240
ctcaagactg ttgcatgatg ctatcttgaa ctagcaagac atcactatgg ctctgcgctc 300
ctgacgataa tggtttgtca ttcaactgat gaacacagaa acaac 345

<210> 25822
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F12

<400> 25822

ggcgtttctt ggattagtc tggaaggta aacggttggt ggaagcctcg ctgggggctg 60
gaacgaacgc gaagggtgtg ctgtcattta gagcgtcttg attggatttg acctgttggc 120
ctgggtggcgt gccgtcggtt attgagctcg aggatgatca agtgggggct cagcagcggc 180
acgcccgtg attcctacta cgaggtccgg tcagattgca cggaccgtgt gcccaagagc 240
aagttcaaga ttaacgctgg caaaacatta agtgctcgga aatggcaagc tgcatttagt 300
cctgatggct gtcttgatat tgcctcagtc ctaagcaaga tacagagagg aggtgtccat 360
tcaacagtca gatgagaggt ttcgggactc ttacttggtt gttttg 406

<210> 25823
<211> 402
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F2

<400> 25823

cccacgcgtc cggatgctat tcaaataagg acgatcttga tatatcttat tggaaggtag 60
tacatactac atcatattat acatttaatc ttattttctt tagcctagta ggcctcatgt 120
tttagtttcg tacaggggtct cgaatcttct cgggacggcc ctggtaccag gcggtggtgg 180
cgcgggggtg gtgcagcgac gacctcttct tcttctccaa ggcacgcaac agtgatggta 240
agtcactcgg gtcggggcca caaatgggag gaagcgagga gtcaaggagg gaacatggtg 300
gagaatggaa gtcgatgaga agggaaggga cgccgcctcg gcagtagggg caggcgccta 360
ccttggcatg acgacggaag ccacaatgga tgggtgcgct tg 402

<210> 25824

<211> 266

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F3

<400> 25824

catgcaatta ctttacctgc taatactata actccagcta ctatacacac tacttcttct 60
gcatttacta ttaaaaaaac cccaaattta aagcattata catatccgat taccgacaat 120
ggataatagc ttttaaacac aatgaatcta ctttgactac cettactatt gtacattttg 180
gataactcat agaaccacat actcttgatt atttacaaaa acttaattct atccaaaaca 240
tgtactctaa atctgcaaaa cttttc 266

<210> 25825

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F4

<400> 25825

catccatcaa ataaacaagc gcacacgaac aaatacctcg ccgccaataa tggccgccag 60
atcctccatt gtgctcgcca cggcgatgct agctacacta ttgcggttg gtttgtgcac 120

caccccgctc accttccagg tcggttaaggg atccaagcct ggccacctga tcctcacccc 180
gaacgttgcc accatatccg acgtggagat caaagagcat ggtggcgatg acttctcctt 240
tacgctgaag gagggcccgga cgggcacctg gacactcgac accaaggccc cgctcaagta 300
ccccctttgc atccgctttg ctgtcaagtc tgggtggctac cgcacgccc acgacgtcat 360
ccccgccgat ttcaaagctg gcaccactta ttagacga 398

<210> 25826
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F5

<400> 25826

aattgactcc acaatcaaga caatacaatg ctgaaaatgg acggcgacat ggcaactgcgg 60
aacaagcaat tcctagtctt gctgatactg ttagtccagc taggaaggac aatacttcaa 120
ctgcgtatgc tctcaaagaa gcccgatgatt taaagcataa ggctaatacgt ttgaaggaag 180
aaggaaaaga gcttgaaagt acaagactct actttgactc cgccttaaaa tttttgcatg 240
ttgcatcact tttggaacct cctagttttg atggtttgaa acaaggcgat gcagcccaga 300
gcatgtattc agatactgca aaactttgca actttgctgg tcacgcgtat gaaaaatgca 360
agaagatggc tgctgctgct ttagcataca agtgtgttga agttgcttat ctgaaggctg 420
catact 426

<210> 25827
<211> 384
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F7

<400> 25827

taattccggg agccacccat tcgtgcttac attcgttcta atcatctatt tttttttgat 60
acacgatccc caatattaca cggatcgctt attcaagttc ctggtctgcc aaatctataa 120
ctccagttac tatacacact acttcttctt catctactat tataacaacc tcaactttaa 180
agcaaaatgc ttatcatatt acctacaatg gaaacgtact ttcaatcaca agactctact 240

ttgactatattt attaatatattg taccatttcg tacaattcat ataaccacat actcctgatt 300
 atttacaact acttatatct atccaaaaca tgtactcaaa atcttcaaaa ctttgcaact 360
 ttgttcgtca tacatcatcc aaac 384

<210> 25828
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F8

<400> 25828

gcgggcaaat ggcaggtcc gccgtcctga ggagccccct gtccgtcctc ctctacatgg 60
 tggggcgtcgt gcccgccacg gccgcggcta cgccgaccga cgccgccatc gacgaggcgt 120
 acgcgcatgt ggtcaacctc accgctaacc aggagtactg ggcgaggcgc gctgaggctg 180
 cgcacgcgta caaccgcgcg gtgtaccaga ccgaccccggt ggccgtcgtg caacgcttca 240
 acgacggcgt gcacagggcg acggcgacgc ggtcgcggtc cctgggcgcac agggcgcggc 300
 gccctgcac ggacaccaac ctcatcgacc agtgctggcg gtgccgacgc 350

<210> 25829
 <211> 375
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E12

<400> 25829

cccacgcgtc cgcccacgcg tccgcccacg cgtccgaaac tcttgaagca gtatggtgtc 60
 ggtgaccctg aatcaagga ggaggtggtc gacagctccc ttgaattcct catccttgct 120
 agtgatggac tctgggatgt tgtcactaat gaggaagctg ttgccatggt caagcctatt 180
 caggaccccc aggaagcagc aaacaagctt ctcgaagaag cgtcccgaag gggaagctct 240
 gataacatca ccgttgatcat cgtccgcttc ctatatggaa ctaccggtga taaatcaagc 300
 gcagacaaag agaccaccaa tgacaaaac tcctaattac ctctgtagg gatccctcat 360
 gcgtgtgttt tcttc 375

<210> 25830

<211> 352
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-F9

 <400> 25830

 gtcattgttc aggtgtgatt tgccaggaag acggggcgaa ttctgtgtgc tacctgaaag 60
 ggaccccatc tgggtgcggtt ctgggggttcg aggagcggcg aggcaggtgg gaaatgaggg 120
 atgtggctgt ggttgacgaa gattgctgcc gcgtgcttgg gcccggtccg gaggtgcgcg 180
 cgtacgagga aggatgagga cgacagcgat aatggccgcg gcgtcaccga cgacctgctg 240
 tggtcgcggg acctcgggcg ccacgcggcg ggtcagttct cgtttgccga catgcatgcc 300
 aacgaggcgt ttgaggacca cagccacatt gagacaggct cttccgcaac tt 352

<210> 25831
 <211> 422
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-C9

 <400> 25831

 cccacgcgtc cgcggacgcg tgggggttcg ggagatccag gcggccaccc agaaggtcna 60
 cgagaaggcc atcatcggcg tgggcgggtt cggcaacgtg tacgtcgggg agatcgacga 120
 cggcaccaag gtggcgggtga agcgcgggag cgcggagtcg gagcagggca tcaacgagtt 180
 caacacggag atccagatgc tgtcgaagct gcggcaccgg cacctgggtgt ccctgatcgg 240
 ctactgcgac gagaaccagg agatgatact ggtgtacgag tacatgcaca acggcgtggt 300
 ccgggaccac atctacggca gcgaggggaa ggcgccgtg ccgtggaagc agcggctgga 360
 gatctgcatc ggcgccgncc gggggctgca ctacctgcac acgggcaagg cgcangggat 420
 ca 422

<210> 25832
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-D1

<400> 25832

gcacatctct tgcctcctct ttcgcgctgt ccggagagga ggggcaggag gagggggcac 60

caaatctatc tggggatcgg agcgcgggcg acaagatgcc acgcggcggc aagcccgcgg 120

cttcgtcgaa gccgaacccg ttcgactcgg actcggactc ggagtccagc aataagccgg 180

cgaacaagtc cggggcgctcg tcgtaccagg ccccgccga cgccaagaag cgggtacaagg 240

acgggttccg ggactcgggc gggctggaga accagtcggt gcaggagctg gagcactacg 300

cggcgtaaa ggccgaggag acgacggacg cgctcgccgg ctgcctgcgc atcgccgagg 360

acatcaggca ggacgccagc gacacgctga tcacgtgca caagcagggg gagcagatca 420

gccggacgca c 431

<210> 25833

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D10

<400> 25833

cccaaggctc tgcacgcgtt gagggaggag cacgacgcga tcgccaagaa caggaggggc 60

ccggatgccc ccgtcacgtg ggccgagtag agatcgatga ccttcaccaa tcaggtcac 120

atggagatgg tgaggcttgc gaacatcgtg ccggggatat ttcgaaaggc cctgcaagac 180

gttgagatca aaggctatac gattccggcg ggatggggcg tcatggtgtg cccaccggca 240

gtgcacttaa accccgacat ctatgaagac cctctggcgt tcaaccctg gagatggcag 300

ggcaaacctg aaatcaccgg tgggacgaaa cacttcattg cgtttggagg tggcctcaag 360

ttttgcgttg gcac 374

<210> 25834

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D11

<400> 25834

ggaaaaagga cacatcacc c aaaggcacag ggaatcgcac catcgtggga cccgtgcagc 60

gcgaccgccc agccgcgga tctgcgcgg cgacgcgccc ggacgtcgga tctacgccgc 120
 cgcaggaggg gggaggcggc gctgtggccg ttctctgccc gtgagcgccc ggatccgtcc 180
 cgccgcaagg attatggatc cgaaagagaa gccaaatgta tcgagcagtc caccaacacc 240
 acggctggac tgcataaaat gctttgatat gctctggttc tgttactcac cattccacca 300
 gatgcagaat tattaccggt atggggagtt cgacacctgc ttcggcaagt ggggcgatct 360
 tatgggctgc ctgcgtctca agaacaagc g 391

<210> 25835
 <211> 327
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D12

<400> 25835
 cttgcgaatg acattgatta agctggcaaa atttgaaaga gagcaggcaa catgggactc 60
 gcgtaagaag acggtctggt gaaatccata actttgcaaa ttctgttttg aagatgagca 120
 ggtcacagat aaaattgaac tctgaaattg tgaaacacct gggtagtata catgaatatt 180
 tggagatgat gatatacgtt catcatgcat ttacagatcg ctctaattgt ttacattacg 240
 tgcaaattct gtcagcagat ctgttttccct tgcatatcag ggcaaggaga cttgaatcgt 300
 cgtacgcacg aaatatgggg cacgagt 327

<210> 25836
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D2

<400> 25836
 cccacgcgtc cgcaggttat accgccttgc ttcaatgggc tttgcaacat ttgggggctt 60
 ctttcttgca aagcgtgcaa tacaacattt tctagaaaga aagcgccggc atgaactgca 120
 aaaaagggtgc ctaactcctt atgtcatttc cttttagaac attcaaatec aattgaaatg 180
 tagtagcatt atttaagtgt ttgggttttt aaagaggttt atattttctgt tttagccatg 240
 gatagaatgt aagtgacttg tgctgttacg atttatttgt aagaactttg taacctctgt 300

atgcctatct attgacacat gtgcaacgtg tagctaattt taaatttgta gacgtcacat 360
gaaattggag aagactatac tgcaggggtga ttaagtgaat atg 403

<210> 25837
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D3

<400> 25837

ggctcttggg agccaagtag tatgaagggt gcgagcatct ggccgtcctt atgggggcta 60
tcaccagga ctgcttagag atactctagc ttttcatggt tgtgctgaac tgttccagga 120
tattcataca gaacttattc agtatagaag gaatcagatg attaaacgag gaacagtaaa 180
ggagcagcta acagttgatt cagtgtccag gaagatggct gggttgtgtc cactcatgcc 240
agaagagggt ggacttctac ttcaagcatt aggttaccca ccaactacaa taatattctt 300
ggctggttcc gagacttttg gtggacaaag aatgcttatt cctctacgag ctatgtttgc 360
taacctagtc gatcgaactt cattatgtat tcagagggtg ctgtttgatt ta 412

<210> 25838
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D5

<400> 25838

cccacgcgtc cgcaaggatt cacggtgcct cagtcacatg tttgctgctg aaattggcat 60
gcatcgtttc ttgctctcga gtgctgtccg gacactaaat cccaaggaag ctgattgggt 120
ctatacacca gtttacacta cttgcgattt aactaacgct ggactgccct tgccgtttaa 180
gtcaccacgg gtgatgagga ggcgatcca atatatttca aacaaatggc ccttctggaa 240
taggactgat ggagcagatc atttcttcgt tgttccgcat tttgcagcat gcttccacta 300
tcaggaagaa aaagctatcg agcgtggaat tcttccattg ctgcgacgtg cgacattggt 360
ccaaaccttt ggacaggaga atcatgtttg cctgaaggag ggttccatca ttattccacc 420
ctatg 425

<210> 25839
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D6

<400> 25839

```

gggctctgct ctatctcaag aagacttcat tcatgtgggc accagcagtc actcaggggg 60
gggggcgggc gaccaggagag attaagaggc gatgggtccgc tgcaatgcat gcatgcggat 120
atatgcatgc gtaaacacat cgagacgccg aaaaattgtt cttttatatt tatgtatatg 180
tacatgcata tgtctcctga ttcaactttg atgtttattg tctctttcgc tttcgtactg 240
aacttctgtg tgtaagttga tatatggatc aatagattgt tattcactat atatactatg 300
gcttcttgca gctgctgatt aaaaaaaaaa ttggccatgc ctgtcacaaa tggcattcgt 360
ccaaaagcgc ctgaacaata aaaagggg 388
  
```

<210> 25840
 <211> 410
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-D7

<400> 25840

```

cccacgcgtc cgcggacgcg tgggatcgcg aggccgaggc ttgtcccgtc cccgcgcggg 60
tccgctcttc tcacccacgg tttctggagg acaattcttt gctatctagc cttcctcaaa 120
agtaaaaagg gtaaatggga tcagaaggac cttcagttgt cactgtccat gttactggat 180
ttaagaagtt ccatgggggt gctgagaacc caactgagaa aattgtgacc aatcttaa 240
ctttcttgga aaagcgaggg ttgccaaaaa atcttgcct cggaagctgc acagttctcg 300
aaacagcaag ggaaggggca cttgccacat tatataaggt tntagagtct gctgttgag 360
acagaggaac tgggtcctcg gcccatggac aagtaatttg gatccacttt 410
  
```

<210> 25841
 <211> 388
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-D8

<400> 25841

gcctccttcc gcattggccg gcggagccac agcactcagc cagcctctcc atctggctgc 60

agtccccacg cgctgttcca tccaacccta gccaccgttg gtgcctcggc ggcatgccct 120

cgtttgcctt cgtctccgct cggtacgccg cggatgcgga ggcggacttc ctccgcatct 180

ccgcctcgca ggaagacctt ctgcccgcg ccccttcat caccttcaac ccggaggagg 240

aggaggagga ggaggccgag gtgtccagca cgccgcctct cacacaccag gccccgcaga 300

ggcaggggga agagggcatc gccatgtgct ccatgccctt caccagcct tcctcccctt 360

ctneggctcc ctccccttcc ttggggag 388

<210> 25842

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D9

<400> 25842

cggacgcgtg ggcggacgcg tggggcggcg cgtcggcgtc ggcgagctgg aggcgtggct 60

gcgctggcag gccgccgcc ggctggacgc cgtcacgcgg agggagatgg ctccgcacga 120

cacggaccgc gacggtgccg tcacgctgcg cgagttcttc gcagactgga tcaacatggg 180

acatgacaaa atgggggtgtt ggatgcacaa gtttgcgagc gcggacagag acggggacgg 240

ctcgtcaac gccgtcgaat tcaacgactt cctgcatcct gaagacagca gccaagagag 300

cgtgatgctg tggctactca aggacaagct aagcgagatg gaccacgacg gagacggcag 360

gctaagccag gaggagtctg tcgcccaatc tcacatcatc atctccggcg cgcgtcacgc 420

cg 422

<210> 25843

<211> 171

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E1

<400> 25843

cctctacacg ttcacgcaca gtaaccccat cgagtagggg cggtacgagt agaaaacgac 60
gagccgggcta gaccaccatg agggagcgtc gaggacccat cagttgcgtc gccccctgcg 120
tcctacctcc ccctcactcc ttcctggggt ttacgctggc cacactgccg a 171

<210> 25844

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E10

<400> 25844

attcccatc gaccacgcgt acgcgtaccg ttcgatctaa cgttgggtcta aaacctatct 60
ccctgcttca cctttcgggt ttgggtgccca cagcacaaca ccttaaccta ctatagcatg 120
cttatggcat accatgtact gcaagtcaac ttgggtgttga aaaatgacct cataatagta 180
tcgctcttct atccgactca catctactct atgggttaca tcttcagata tccacttgcc 240
attacttcac acagcaacta agc 263

<210> 25845

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-E11

<400> 25845

gcacggacga gaaggcgtg atcgagatac tgggccaccg gacggcgggc cagcgcgcgg 60
ggatcgccgt ggcctacgag ggcctctaca acgaacccat catcgacaga ctccactccg 120
agctctccgg cgaattccgg agcgcgatga tgctgtggac ggtggaccgg gcggcgcggtg 180
acgccaagct cgcacacaag gccatgaaga agcagggcga gcggtacgtg tgggtgctca 240
tcgaggtcgc ctgcgcgtcc gcgccggacc acctcgtcgc cgtcaggaaa gcctaccgcg 300
aggcctactc cgctnccctg gaggaggacg tcgccgcgtg cccgctctac aaggaccgcg 360
tcctcaagca gttcttggtg cggctcgtga gctcgtaccg gtacttcggc gagctcgtc 419

<210> 25846
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C8

<400> 25846

```

cccacgcgtc cgctaagctg tcgtcgcaga atcgcacgta cgcgcgatcg agaaggcagg   60
accaggacga cgatggcccc gccgcgcctc ctctcacct tcctgctcgc cgcgggcgcc   120
gtgctgacca cggtgcccgg cgtcgcgctc gccaaagtcga agctcgccaa gaagagcgac   180
gacgtcgtga acggggccct cctgaccgag aagatccagg cgaagaagac gctgatcgtg   240
gggccggacg aggagttcaa gaccgtgcag tccgccatcg acgcggtgcc cgccggcaac   300
gccgagtggg tcatcgtcca ccttcgctct ggctgcaca ggggcaaagt tgtgataccg   360
gagaacaagc ccttcattct cgtgaggggc aa                               392
  
```

<210> 25847
 <211> 250
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B12

<400> 25847

```

agccaacaaa aagagaaaac ctaaataaaa aaagccaccc tatacactaa aaaaaggaaa   60
cggggaaaag ggcatggcga gagaaacgag agcaacacac acaatgggga gctcaaagac   120
catagatgcg tacacactgc cactaaacga gtcctgctc cagactttcg cgaccaccga   180
aaaggtaaaa acagtgcacg aactgaattg aaaggaccaa atccaaaaga cattcaacca   240
agtgcactaa                               250
  
```

<210> 25848
 <211> 219
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B2

<400> 25848

cccacgcgtc cgcccacgcg tccgcggacg cgtgggcagc agtctagtgt atgtaggcgc 60
gcgtatcata tcccaccggt gcctagtttc gtcgtccaca aggaacttag aacattgtaa 120
atacctggaa ataaatttgc agcttagctc taaagtaa atccagcccaag atttgtgaac 180
atgcatgtat gtcattagca atggaagccc ttgtttatc 219

<210> 25849

<211> 271

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B3

<400> 25849

ctagttctag atcgcgagcg gctgttctcg atctagaact agtgttctac atggcgagct 60
tcccagcagg gaggagcgac acgccgccta tcaccgtggc actggcactg tcacccccat 120
gaaaccgcag caacacgcgc cttcctgttc ctcgagcgat ccagatcggg cgtccgatgt 180
gttcctggaa gcgtcaccga ggcataactc gccgggtccc atccccaccg cgcacaggca 240
gcagcagcag ccgcattccgt acttcaaggt c 271

<210> 25850

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B4

<400> 25850

cttcgcgaag aaagggaggg gcgcggacaa gaagctgctc tcgcggcggg acatcggtt 60
cgatttggat ggcagaagcg gcgacaggat ggacctcttg gagacgtccg ccgctgtccg 120
caagagcttc tcagatcggc actgcacgac gcggatcgag aacctgacgc tgagctgcct 180
ggattctccc aggagaccca atgtcgacac ccgggagtag cgggtgtttg taggcacatg 240
gaacgtggga gggaagcctc ctgacagcag cgtaaacctc caagagtttc tgcagatcga 300
aggcttgccc gatatatatg tcttgggggt tcaggagatc gtgcctctga acgcgggcaa 360
cgtgctggtc gtggaggaca acgagccggc gggcaagtgg at 402

<210> 25851

<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B5

<400> 25851

cggacgcgtg gggatgtgga cccccagggc cgggcctgga cccagcgcgg cacaagacag 60
catgcccagc agggaggagc gacacgccgc cgagcaccgt ggcaactggca ctggcaccgcc 120
caggaaaccg cagcaacacg cgccttcctg ttctctgagc gatccagagc gggcgtccga 180
ggtgttcctg gaagcgtcac cgaggcagaa ctgcgccgtc ccgagcccca ccgcgcacag 240
gcagcagcag cagccgcagc cgtacttcaa ggtcagcagc aggttcgagt cggagatgaa 300
ggaggccaac gagatgctga tggagtccaa gaagctccgc gtcaacacga ccaagcccaa 360
gaccaagacc gtgacgttcg cgccgtcggc cgtggagcgc gagcagccgg gcccgggcgg 420
cgagaggagc ggc 433

<210> 25852
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B6

<400> 25852

aaaaaatgtg atgacaaaat gcagcatcaa aaacatggga gctaagcagc catctggcgg 60
cgcgatggcc acatccaaat cccttcttta caagaagata cctacggtcg ccgcatcgcg 120
caattgaagg cagaactcgg atcggcgagt cagtcggcat tgtgcatgga tgaatctggg 180
cctgcgccgc cccgtctacg ccatgggctg cgtgctccac ctcaccgctg gggcgctcgt 240
ggccgcccgc ccgtgcccgg accgcggcaa cgcgctgcag gcgcaccacc tgccggccgc 300
gccgtcgcgc gccgcgttcc cgtgggcgcc gaccctctc gccttacaag aacgcctcgc 360
cgaggagggc aagcgcaagg acaggcgcca ctcgtgcg 398

<210> 25853
<211> 436
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-047-Q1-K1-B7

<400> 25853

gctagcgatg gctggagccc gggcactgct catcgctctc gcggctgccg tcgcgggcct 60
ggccgcgcgg ccggcgctctg caggcggggg agccgcggcg gtggcggaga tctgcatgaa 120
gactccgtcc cccgacctgt gcaccaggac ggcggggaag caccgcaaca agtacaaggt 180
ggtaggacgcg gtgacggtgc tagagatgca ggtggacgcg ttcaagaagc gcgtgaaggc 240
ggtagcggagg ctgcgaagg aggaggtcaa gacggccgcg acgcccagg cgcgaggggc 300
gctgaacctc tgcaagacct actacctgga cgccgncgac aacctcgcg cctgcaagcg 360
cgccatcggc ttccgcgacg ccgtcaccat ccgcgccacg atgagcatgg tggcgcacga 420
cacgcagaac tgcgac 436

<210> 25854
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B8

<400> 25854

ctctctctc tcatacaggag tatattgggc gggatccgag acggccgtgc cgctggcatt 60
gctcgatcga ggagggaaaa aaaacaaaag ggaagcaggc aggtcgtcga gaggggagga 120
attcgcaaac catgctttca gcctccgac cttcctcgag tgcttgtgt ctggcggaac 180
ttcaactgaa acagctgacc tgactactag tgaagcaaat aaccaggaga gctctgtcca 240
ggacggttta gacaccactt gtgctaagga aaacaaggga aacgacggtg tcgataatgc 300
tgctgagaac tcgactcaaa tttcagaatc ctctgatggg ggccaactat cactgcagga 360
caacaagatg ggtgattctg atgctgcaga tgcgaaataga tcatacagcat cttcgacgat 420
cgtgtctgaa agcaag 436

<210> 25855
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-B9

<400> 25855

aaaagttagg aggggaaccc atcagtcaag agctacgcaa acgcacagcg atgcagaagc 60
acgagatacc agccaccatg cgctgtccc tctcctcgt cgctcgtggcc gccctctcgg 120
cgcgacccgc ggcgagctg ccgctggcgg gcggcgggcg cgccgccttg aagccggact 180
tctatagcca gtcgtgcccc cgcgcgagc ggatcattgc ggaggtgatg cagacgaagc 240
atatggcgaa cccgacgacg gccgcggggc tgctccgcgt cttcttccac gactgcttcg 300
tcagcgggtg cgacgcgtcg gtgctgatcg cgtncacca gttccagaag tcggagcacg 360
acgcggagat caaccactcc cttccccggg acgccttcga cgccgtggtg cgcgccaagc 420
t 421

<210> 25856

<211> 431

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-C1

<400> 25856

cggtagcgt gggattcacc atgccgaccg aagaggggtc cgacggcggg gccggggccg 60
gagccggagc cggggagaag aagagctcgc aggcgcccgc aaagcctgga gctgcgggcg 120
ccgcaaagtt cctcgcgggg ttgccgtcgc gcggcaactt ctcttcgggc tccgccccct 180
ccaatctggg agggttcagg gtttacgtct gcgagcacag cacagatccc ccagaaggac 240
aagttataaa gacggattca acgaatattt taatcaggca tctccagttg aacaagcaga 300
agactgaggg caaagatgtg gattccagaa ctgtcggcga aaacaacaga gggaaaagat 360
ctgctgccag aagtttggat gtcaacaatt cagcanagaa ggctaacttg ggtacttcat 420
ctggatcatc a 431

<210> 25857

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C10

<400> 25857

agctattcca attcgctcgg aaaattgagg aattaatgta caacatgagc cctggggaga 60
tgcccttcca agttggaatg tcaaaggtag attttcgcaa gatgttgaag tctagcttaa 120
ctggacttga caagacaatc aatgcaatgt atagaaaact acagaagaat atgactgccg 180
aggaattgct gccttcgcta tgggaaaaat gcaagaaaga gtttcttgat aaatacgcaa 240
cattcctcaa gttgatttcg aaaatatatc ctgacgagaa agtgatatct gtgaacgaaa 300
tgagagatac tctagcttca ctgtagctat ttcgttagaa agttcgcagc tccgttggtt 360
tgcttgcgca ta 372

<210> 25858

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C2

<400> 25858

cccacgcgtc cgcggacgcg tgggtacaac ggggacatat aataacataa tagctgatat 60
acaaggtggc aacagatcgc accaccagca accagcatcc aaccacagaa gggttctgca 120
tgcaacacac tgatgggacg tgctaagcca acttgccatg aagaatcaat tctgaccaca 180
catactgtgc aggcacactt gactaccagc tgagagcagc gcgcaccata gctctgatca 240
ccacggtgta aacaccactt gtgc 264

<210> 25859

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C3

<400> 25859

cgatcatata gatggaaact tttcacttta aaaaaaaaaa aaaaaaaaaa aagaagaaaa 60
aataaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa caaacattca actacattcc ttttttaata aaaccaccta 180
acttcattta acttcccttt atttttcacc ttactttact tctaaaaccc tgtctttacc 240

catttttaaaa ctcgtaaaat ctcatcctac ttttaacatt tgcactttta tcaaataaggc 300
 cctttcccat ctctcttctt aacaattttta gccccctaaa tggccctttt aacaatcttt 360
 gtaacgctta attaattact gaatctcccc tttttccccc ccttttt 407

<210> 25860
 <211> 319
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-C6
 <400> 25860

ggagctactt cggcctggtg ctggagaaga agatgccctt caccatcgac cgctgctgg 60
 ggatggacaa gacgaccgag cccatagtca aggccatgtc ggacaagact accgacttcg 120
 tccccatctt cgccaaggcc atggagaagc tcagcgccct caaggttctc acggggaagg 180
 acggcgagat caggaagacg tgctccgagt tcaacaaccc gcagaacacc agcggcagca 240
 cgtcggtgat acggatcagc tccatcgacg ccgaccagat ggccggcctg tcgcagccag 300
 ggtcgacgtc caggaagggt 319

<210> 25861
 <211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-B11
 <400> 25861

ggccttcttc gcgtgtttcc ctctttttct taggccgcc tctacacttc tcgacggaac 60
 catcgagagg gcggtcgaga gaaacgagag cggcagacac catggggagc tcgaggacca 120
 tcgttgcgtc cccctgctc ctctctgccc tctctctctt ggctttcgcg gccaccgccg 180
 aggcccgctt tgtccccgag ctgtttggcg aggaccaatt ccagcggaca tgcaaccagg 240
 tgcacttcag gaagatgtgc cagagcttga cgaggctccc gagggtgaca acgccgcgcg 300
 aactgctgct agcgtcgatg cgcgtcgcg cggagaaggc cagggaggcc aagagccggg 360
 tggacgagtt cgcggcgagg aaccacgagg gccggccgat ggagtccatc ctcgagacct 420
 gcagcaacgg g 431

<210> 25862
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C7

<400> 25862

cgacaagatg gcgtgcacaa acaatgcgat gagagccttg ttcctcctgg tcctcgtcgg 60
 catcgtgcat ggtgagaagg aagagtcaaa gggcatcgat gcgaaagcgt ccgggcctgg 120
 tgggtccttc gacatcacca agttggggcg ctccggcaat ggcaagacag acagcacgaa 180
 ggctgtgcag gaggcattgg catcggcgtg cggcggcact gggaagcaga caatcctcat 240
 acccaagggt gacttccttg tcggacaact caacttcaca ggcccttgca agggcgacgt 300
 gaccatccag gtggatggca atctgctggc gaccacggac ctaagccagt acaaggacca 360
 tggttaattgg atcgagattc tacgtgtgga taacctgggc atcaccggca aggg 414

<210> 25863
 <211> 326
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-046-Q1-K1-H4

<400> 25863

gacaacagct tgacgaaacg aacaatgata gacgaggttg gttactagtg tatagccact 60
 agtaggaagc agaaaaagaa aacagatgga aatgcccacg ctatctatgt gcatcgaaga 120
 aggccggcga tcgcccgttc tcctctcaaa actgcgctcg tgatcctggc tcgccggcgc 180
 cgtcgaacct tcctccgtct cctgcacca tcatcgccgg gacgccggcg cgcccaccac 240
 ggtcaatccg tcctcgccca cgtcctncag ccgctgcagg agcgggctcg gcgtgcaggc 300
 cggcggcgcg tcgaagacgg cgagcg 326

<210> 25864
 <211> 202
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H5

<400> 25864

ataccaggcg cgggtgcctgc cacgcggtgg tggcggtcac ggcgccggac gagggggccg 60
atgcgcaacg ccgtaagcgg cgcaggactg ctgaagtcga cgggtcgcca gaggtggccg 120
gcactccagg tgtccgtccg gtgggcagag acatgttcga agagctgcct gacgatcttg 180
tcgtctccat actacgggac tg 202

<210> 25865

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H6

<400> 25865

agacttctta cgttttctat ttgaactgga cattgttgat gaaacaaccc agttaaaaga 60
tattagagca gaaagtcact ctataaataa tgatggaacg aatgttgctg atgatggctt 120
aggaaaatca aattcaacga gtccgatgtc ttcattctca agtgtgaaac agcttgataa 180
aggaagtcct aatggccttg tgcgcagtga atcatttgaa attcattcca tatcacccgc 240
taagcaactg acaacagcag tttctacgtg caacgatgtt gatgaatatt tagagaaaac 300
agcttttcag aagggtcggt ttaaggtgat acatgattat agcaagcttg aaggagcaac 360
gccaaagagag aaggaattat tagatcgtat aagtagttta gagcaaatgc ttcttgctac 420
cca 423

<210> 25866

<211> 345

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-046-Q1-K1-H7

<400> 25866

caccggccgt cgagcgagca gtctcccaat tccaccaat aactaataac atgtccgcga 60
acgccaggtt ccttggaacca ctatatccag gagcgacgaa gtgatccacc cgccagccat 120
ggagatgaag aaggtcctct gcgccgccct cgtcgccgcc gcctcggcca ccgncgtgct 180

ggcctcggtc gcctccgagg cgccctccga ggcgcccgcc ggcgcggccg gtggtgcggc 240
 tggccctagc gcaagcggcg ccggcgcggc cgccgtgccc gcggccgggc cgctggtggc 300
 ttctttcttg gcttactact tcaattgacc gacaaccccc ggggc 345

<210> 25867
 <211> 239
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A1

<400> 25867

cccatgtata cattgttcct gtttgtttcg actttttgta gcttctggcc accaaagact 60
 gctgccaact gccaaacact cagcttttca gccagcttct ataaaaatcc gttggataaa 120
 acccttccaa attaaccata acatattatc cggatgaatcc tcgcaattat aggtaatccg 180
 cactttattg gaccctaacc ccaatggcaa atttaatttt cccccgttcc aaccatggg 239

<210> 25868
 <211> 374
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A10

<400> 25868

cccacgcgtc cgaatcaacc cttagtggc cgaaaggtgg tccggtggcc tggccgccac 60
 ggccagcatg gtgcccggcg cgccctcggt cagcgcgagg cgcagccccc gcgcggcgcg 120
 ggcggtggctg cccggccacg gcacgagcgc gtatgcggcg gccagccct gcgcggcgcg 180
 cccccgtccc caacggcgcg aggcgtgttg cccctccgt ctgcgcgcga gcgtactgct 240
 ccggcagcgc ggtcccggcc aggcgcggtt gcgcggcctg gcgcggccct gacggctacg 300
 gttctggcgc cgcttcccggt ggcgcgggag tcacccgacc cagcggatct ggcacggact 360
 caactgtccg gcac 374

<210> 25869
 <211> 389
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A11

<400> 25869

cccacgcgtc cggttctaga tcgcgagcgg tcgccctttc ttttcttttt tatatgggtat 60
cggtcgccttt gaaaccatca aatttgatct ccttccatat ttcacaagct gcggctagtt 120
cagcactcca tttgcaagct gctttgataa tttcattacc ttcactagca agatcgcgcc 180
cttcgttact agcttgtaga caggcttcta aagccacacg attagctgct gcaccagggtg 240
catttcccca aggatgtcct aaagttcctc caccaaattg taatacggaa tcattctcaa 300
agatttcggt catagctggc atatgccaaa catgaatacc cacagaagcc accggtataa 360
cacctggcat ggataccag tcctgagtg 389

<210> 25870

<211> 396

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-A12

<400> 25870

caggcgctca cgttctgcga caccatgtac atgaacacgc aggacaccat cggcgcggcg 60
cagcggggcca tcacgttcaa ggacaccggc accgccaaga tcattgctga gctcgccgtc 120
caggacttcg actcgtgcga cgcgcccttc acccaggccg gcgtcccca ccccatgggg 180
aagtttgaca aggagctcaa ccagatggcc aacaactgca tggtctttgc aaacatgata 240
tgaaccacgc atgcaacccc agcgtgaggt gccatcgcat gcaaggaatg cttgcattca 300
tttttcattt aattaagaat tcattgaaat tatgagttat atatattgag taactctatg 360
tatttgntcc tgacctgcac tatntattca atagta 396

<210> 25871

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A2

<400> 25871

cccacgcgtc cgcagtaatg ttgtaacttg aaaaaaata agatttattt tcattggaac 60
 aaaaaaaaaa aaaaaaata aaaaaaaaaa aaaagggcgg acactaatgc agatccaaaa 120
 ctaacataca caaacatgca aaaaaatagc tcaacattaa aaaaaaaaaa aagggaattc 180
 acttttcgag gatccacatt tacttccact ggcaacacac tggttatacc caatttaatc 240
 gcccttaa at ccattacccg tgtccgcagt ttgacatcat agcgactagg aaaacaccga 300
 acgacctaac ctaa atgcct tcaagctgaa tgcccatttg gacacgctct gt 352

<210> 25872
 <211> 367
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-A3

<400> 25872
 cggacgcgtg ggtgcatggt ccagtgaagg ccgcgccatc catgtcggac gccgggggtg 60
 ggaagctaag cctaggcgcg aaggcgctgt cggagggcgg cttcgagaag ctgtacaagc 120
 agacgttctc gtccagcccc gacgagcacc tgaagaagac gttcgcttgc tacctctcca 180
 cggccacggg gcccgtcgcc ggcacgctgt acctgaccaa cctgaacgtc gccttctgca 240
 gcgaccgccc gctctccttc gcgcgcgcgt ctggccagac cgcttgagc tactacaagg 300
 ttatgatccn ccttggcaag atcgcgacgg tggagccggt gacgatgaat gagagcccgc 360
 cgagaaa 367

<210> 25873
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A4

<400> 25873
 gcggagcgcg ccgaggtggc tcggtcgcgc aacctcgccg cctacgtcag cgggcgggtg 60
 gccgccacga accgcttcaa cgcggacgtg ctgagggcca cgacgcggcg ggcgctggcg 120
 aggtacgatg gcccgatgcat ggcgaccaac cccatcgacc ggtgctggcg ctgtcgcgcc 180
 gactggggca cggaccggaa gcggctggcg cagtgcgcgc gcgggttcgg ccacaggagc 240

gtcagcggcg cggccggtaa gctgtacgtg gtgagggacc cgagcgacga cgagatgac 300
 attcagcggg acggcacgct gcggcacgcg gtgatccagg accggacgat gtggatcgtg 360
 ttcacgcaga tcacgctgca gaacgtgcag gacgtgat 398

<210> 25874
 <211> 157
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A5

<400> 25874

agctgttcag tcagcttcta tagaattcga ttgagtcaaa ccattcaaaa ttaacataaa 60
 catataatcg gttgagtaga cgctatagta gtaatccgtc actttataga tcctaaaccc 120
 catggtcaac tttatcttcc cccgatacat acaatgg 157

<210> 25875
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A6

<400> 25875

acttactccc agggctgcgt gaatattttt cccaaacaga tgatattcat ataacggcaa 60
 ggattcctgc aatggagagc atggctgatg tgaatttagc acaaaaggac gagaagctta 120
 aagaagttga ctccaaaact aaaccagaag atcaacaaca agcagaaaat aaaaatatgg 180
 gaacaattga tgaagaatca gatgacgatg aggactatca tgttcctgaa gctgatatag 240
 • aggtgaaatc actaacaat ctgacaatga agctaaacac acagatgagc ctccagaaaa 300
 aattgattta tcttgctttt ctgggatact tcatcatgat ccggatgaga aaagccgcaa 360
 ctgttggaac gtacctgata gcaagctttt caaagttcgt agcaggaaat tcccaaata 420
 caaatcgaag gtct 434

<210> 25876
 <211> 433
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-047-Q1-K1-A7

<400> 25876

cccacgcgtc cggcatggcg ggcaccccta gccaggcaag cctcctgctc cagaagcagc 60
tcaaggatct tgcaagaac cccgtggatg gggtctccgc agggcttcta gacgatagca 120
acgtcttcga gtggcaggtc accatcatcg gccgcgccga caccctatat gacggaggct 180
acttcaatgc aataatgacc ttccccaga actatcccaa cagcccgcca tcagtaagat 240
ttacttctgg gatgtggcat ccgaatgttt atccggatgg gcgtgtttgc atttctattc 300
ttcatccacc tggatgaagat ccagtggtt atgagcttgc aagcgaacgg tggacaccag 360
tgcacacggt tgaaagtata gttctgagca tcatttcaat gctctctagt ccgaatgacg 420
agtctncagc aaa 433

<210> 25877
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A8

<400> 25877

ccgaatcccc agaccaaata gccgtcgccg tcgccgtcgc atcgcagcag cgggagtcgg 60
agggtcccg gaccgaatcca tttgcagaca cccaaggcca agatccatcg ctcggtccaa 120
ccagccttct tcttcttctg cttggctcgc tgatctcggt ttccattcgt gtccaatccg 180
atccagccaa ccgctgtgaa tgatggcgct caacctgtcc caccagacgg gcgcgggccgt 240
ggcgggcgga ccggcgggcg cagcgcgga cgtcgtcgcg gcggcgga cggcgccacg 300
ctcgggcggt gtcgccgagg cgggcaccgt ggcgccgacg cccgcgtcgg cggccgcccac 360
cgctccggcg ctccagct 378

<210> 25878
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B1

<400> 25878

cccacgcgtc cgcccacgcg tccggataaa attagtgaag agaaaatgct tagctgggca 60
gagattctgt gcaaatctta cccgccggag ttcgtctcat atttccacta ttgtcgctcc 120
ctgcgatttg aagacaggcc agattactct tcaatgaaga agctctttcg tgatgtatgt 180
atacgggaag gataccaatt tgctcagcgc acaactgtgt gtcttgattt ttcttctgtt 240
tatcacggca ttagtgccat gccgttttat gttacagtgt tgtgtgctcg caagcatccg 300
aaaatatgcy tctgagttta gggttgggct aaacttgctg aatttggggg tctgttataa 360
tatgttgagc atgaataaag atggatgctg gtgactctgt cgccatcgcc gtccatcatg 420
agtgtcctgt 430

<210> 25879

<211> 312

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H3

<400> 25879

gaaacaagtg cacacaaata aatacatcgc tactagatt gccaaagagca atggcctgta 60
ggcatccat cctgctcgtc atgggtgtgc tagctacgct attcgtgggt ggctcgtgca 120
ccaccccgct caccttccag gtcggcaagg gctccaagcc cggccacttg gtcctcacc 180
ccaacgttgc caccatctct gacgtggaga tcaaggagca cgggtggcgac gacttctcct 240
ttacgtcaa ggagggtcgg actggcactt ggacgcttga caccaagacc ccgctcaagt 300
acccctctg ca 312

<210> 25880

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B10

<400> 25880

cccattccac cgacgcgtac gcaccctgca aataaacctt atagattatg atcaaaaact 60
tccaaaatta taaccggaag ggagaaatag gcgctcggct taacaatcta cacactaaca 120

ttcatcatct tattacaacg caacctatac aagttatctc ttaaattgaa tttaatagcc 180
gatcttatac aactgctgga actgaaaaac cacaacatca cccaccttaa tcaactgtca 240
gcaaatgggc atgaatccag attccctaca ctccctagatg cccaatccca ataccttttt 300
caaaagatac tcatccaaac ttgctgata 329

<210> 25881
<211> 265
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-046-Q1-K1-E7
<400> 25881

cagtggggct gctagaaagg tcttccagggt tgtacatagc aaggaggtgg atgttagcat 60
gaatgcgggtg tttgggcctg tgtcttgact gaaggcgcat agcaaaacta atacaaaaaa 120
tgcagtgttt gggcctaggc aatatctgat gaaaggttct ggcttcgtgc ccagtctact 180
gtgtaattcg tgtgactaga gtggtcgaca tgtgtaaate gaattaccga gtgcactacc 240
taatcttctt tagtttcaaa aacaa 265

<210> 25882
<211> 410
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-046-Q1-K1-E8
<400> 25882

aaacccacca ttcaagggtc ttagcagaaa tgatgtactg gatgggttcag atagtgtctga 60
agcccaaaac acacaagaac cttctactcg atgggggtcta ggggactcat ctaatttggc 120
atctggcctt gaggatgcaa acccttcata tccttatctt cctacagttc ttgaggaacc 180
tggttcttct ttctccgaag ctgcagagga tgatccattg ccaggcatag aagggttcg 240
aatcacaggt gaaccttttc ctggacaaga acttcaagca ggtggatact ccatcaatgg 300
taccacaact tgtaattttg agtgggtgcg ccatttagaa gacgggtcag taaatttcat 360
agaaggagca aagcagccta gctatgttgn tactgccgat gatgtggaca 410

<210> 25883
 <211> 373
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-F1

 <400> 25883

 gtctccgata cgatccatcg tgcgagcata tccacggcga tggaggcgag agcggccatg 60
 agctggtact gcggctccct tctggccgtg gccatcgcg cgttccctgtc cgtgtccctc 120
 ggcgtgcgcg ccgccggcgc cggcgccggc gtcgacatca aggtgtcgtg tgcagcgacg 180
 ccggacccgg acgtgtgcct acgcgcgctc caggcggaca gcgactccaa gaccccgcg 240
 gacctggcgg aggcggcgct ccgcgcggcg acgaccgagg gcggcgcggc gggcgactac 300
 gcgcggcacg agatggacgt ggtgaaggac aacgacatgt ggcagtgcct gaacgagtgc 360
 gccggggaga tcg 373

<210> 25884
 <211> 338
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-F2

 <400> 25884

 gccacgcgtc cgcatcatcg acacgtacgg cggctgggga gcccacggcg gtggcgccctg 60
 ctccggcaag gacccaccca aggtggaccg cagcggcgcc tacgtggcca ggcaggccgc 120
 caagagcatc gtggccagcg gcctcgcccc cgcgtgcctc gtgcaggtgt cgtacgccat 180
 cggcgtgccg gagccccctgt ccgtgttcgt cgactcgtag ggcaccggca cgatccccga 240
 caaggagatc ctcaagatcg tgaaggagaa cttcgacttc aggcccgga tgatcagcat 300
 caacctcgac ctgaagaacg gcggcaacag gttcatca 338

<210> 25885
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-F3

 <400> 25885

gccttaccct cgaagccgaa ggccctcgtgc cttctcttcc tccctggcat ggaggaagta 60
gctgtttcgc ctatgatcgt tgccgcgta gtgctggaca acaatggcgc tgacgcggtc 120
tcctgcactg ccatccctag cgtaacaata agcctagagg agaaagaaaa tatcaatggg 180
gatgttccca cgatcacctc ggccgcaagc aacgaggagg aggcgttggt cagtgtcgga 240
gaatccacca aggacgatgg ccatcgcttg acgatggaat gctccactcc cgtctcctcc 300
agtagccctt ccaactcgaa gaagcgcggg gcgttcagcc tcttcagggc gatgttcctg 360
tccttcggcc ggagcgacga cagcatgaag aatgacagac gacgacacca cgagcccca 420
gaagagagcc atc 433

<210> 25886
<211> 226
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-046-Q1-K1-F4
<400> 25886

cccacgcgtc cgcccacgcg tccggaggca agggacgtaa gaagtgcatt acctgggggtg 60
gtcccttaat gaatccacgc tctagacgc gtacatcgcc atgttcgtca ctgagtttct 120
ccgacagctt ggcattgctga gcagttcgt aaatgttctt cgtgctgaga atgtcagcta 180
tgatcggcct agattcagcg gtactgcgct cttaatcgac agggaa 226

<210> 25887
<211> 317
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-046-Q1-K1-F5
<400> 25887

ctagatcgcg ctccggccaat ggactttgtt cgagtatatt cacttttcat tgatgggaaa 60
aaaatgtag gtctttttat gaagcctggg tgagcaccat cggctctacc caaaaactta 120
acctagttat ccagcatctt tctgatactt tggcatttcg caagctcatg tctatacctt 180
ggtttcttcc cagcccatcg tggtgggatg gtttgatata tggttcagaaa gcagatgtga 240
gaaaccatac taaaataata cggtgatgct gatccatttt tgggtcttgt taaaaaaaaa 300

cccttacaat cgaaaga

317

<210> 25888

<211> 231

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F6

<400> 25888

gtagttcata tggcggaagg acactgtgtg catgcatgtt ccatcgtgcg ggctcggttt 60
tctttgaaca caacacagat gtagcaggca tgagcgatcg tgcgatggca tggctggcta 120
acctgtctcg gatgctaaat gaaaccgggg ttcctttctc aagtgttagg agcataacta 180
ttgtcacatc aatggctcttg agccctaaat ttcatttgta ggtcgttaat t 231

<210> 25889

<211> 371

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F7

<400> 25889

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccgca agctgctaga 60
acgtggagaa aggtccaagg ggatgaggaa gtacaatgct atcgacaagt ggaataactca 120
gctgaagtcc atttaccaa cattgtccaa cagagtttga tgagaaggat cgctgctgct 180
gcgtgcattg cacacctagc attgttgata gcctgttttg cggatttgag ggcaactgca 240
aagaactgtc tggtgacgct tgcgatagaa tcctggatct gggtaaagtt aatattgact 300
acgaggtcgt ctctgaatta aacaagataa tcaagcgact acaagcaaaa agaagtgaac 360
ctatgacaaa g 371

<210> 25890

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F8

<400> 25890

cccgttttccc ctcttctctcc tcccctgcga tcttctccac cgcacacacct ccctcgaacc 60
ctagaccac ccacgcgccc attgccttcg gtcgccatgt ccgcgctca gcttctccgt 120
cactcgcgca agctgcggag tttgcaaaat gctgtaggtt gtgagaattt tagttttgtt 180
cggcatttct ccacgcggtc tgggtccttt atcgccaggg aaaatggtat tggaaaaaga 240
accagaggta ccagattttc ccagcataac cagcctgcaa aacagctcga gacattctca 300
gcaggagtaa atggaagctg cacttggaga atagcatcca acagccttac cccaagtgtt 360
gctagctggc tcagtgggtc attctcatgt ggacaggtag tctcagcgcg gccattctca 420
agtagtgc 428

<210> 25891
<211> 400
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-046-Q1-K1-G1
<400> 25891

agacactgag ctggtctgtt tagttggaaa gccatctgta cgtttttcgc cgatcatgga 60
ggatgagagg aacaccacgc agcaccaggg cggtgagcag gccaggacc aggagaacga 120
ggtgaaggac aggggactcc tggacagcct actcggcagg aacaagcacg acgaccagga 180
gaagaagaac cagcaggcgg aggaggagct ggcgaccggc atggagaagg tcacggtggc 240
cgagcccgac cacaaggagg agggacacga ggccgccgag aagaaggaca gccttctcgc 300
caagctgcac cgcaccagct ccagttccag ctcgtcgagc gacgacgagg aagaggaggt 360
gatcgatgag aacggcgaga ttgtcaagag gaggaagaag 400

<210> 25892
<211> 114
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-046-Q1-K1-G2
<400> 25892

atcgacgaag actatgacaa gcagttctgt tgtccgaaca ttgattatgt gagccattg 60
atagcgtaaa tgtatgaact agtttttatt tacaataaat tactaatttt ttct 114

<210> 25893
 <211> 130
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G3

<400> 25893

atcgaccaag actatgacaa gcagttctgt tgcacgaaca ttgattatgt gagccgggtg 60
 ggacgctaaa agtatgaact agttcttatg tacaataaat tactaattat atctaaaaga 120
 acggaagaat 130

<210> 25894
 <211> 434
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-046-Q1-K1-G4

<400> 25894

cccacgcgtc cgccacgcg tccggccggt ccgacgacct cgagacatgg ctcacgggcg 60
 tcatgacgtt catggacacc tgcacgcgac gcttcgtcga cgagaagctc aaggccgaca 120
 tgcacaccgt gctgcgcaac gccaccgagc tcagcagcaa cgcgctcgcc atcaccaaca 180
 gcctcggcgg gatcctgaag aagctggacc tcggcatgtt caagaaggac tcgcgtcgcc 240
 ggctcctgtc ggagcaggac gaaaaaggct ggccagtgtg gatgaggctc ccggagagaa 300
 agctcctggc ggcgggcaac cagcctaaag cgaacgcggt ggtggccaag gacggcagcg 360
 gccagttcaa gaccatncag cangccgtgg acgccatgcc caagggccag cangggaggt 420
 acgtcatcta cgtg 434

<210> 25895
 <211> 381
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G5

<400> 25895

gagaaaagaa aaatgaatac aaatgtttct gtttctgaag atgttggttaa gaatgttgga 60
 gttaagaaag gaggatccat ggaaggggag cttgtagaag gagttaggag gagcagcagg 120
 ttggagtcta atgatgaaat gaagattgca gataaggcag cagcaagagc aatggctaaa 180
 gatgcattca ttaacaaaga tcatttctaa cggctccttt taccattaag gagattaaaa 240
 aagtggtttt cgagatgaaa cataatagtg ctcttggtcc ggatggtttt cctgcggaat 300
 tctttcaaaa cttttgggat ttgattcaaa tggatgtttg gaacttattc aaggattttt 360
 atgttggaat tcttgatatt g 381

<210> 25896

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G6

<400> 25896

cccacgcgtc cgtttttttt tacatgtttt ttttaataca aactttataa ataaaggaat 60
 agaatagtac accataacaa catacaacag ctttgcctcg atcgagagca tgcataaatc 120
 acaggcgtcg tcgaatcaaa agaaaggaag aaacaaaatg atgtgtgggg tgggggtttg 180
 gtgcatggcc gtcgctgtta aaattcgaca caggacagtt gcgtaaatag acctagcgta 240
 atcagctgca caaacgaatg agagagcgag cgagggaagc aaaatctggg tgaggagatg 300
 aatagatgat gacgggagcg cagcgcggcc tggcagactg ggcctaggca gtaggcacct 360
 gctccgatcc ttgtgctctg ctgggcctag gcaccgccgc ggagtttggc catgttcctc 420
 ttc 423

<210> 25897

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G7

<400> 25897

cccacgcgtc cgcccacgcg tccgccacg cgctccgggac cacctctcct aatattggag 60
 ttcgtttagg ggatacagtc ctcttcgctg gcgatttctt ctctcacact acaaggaggg 120

gaactctacg agctcgcgct cgttgcctgc catcccactt cctctctcca cctcgtcttt 180
 ggaagtctcc aaagcgattg tgcagtctgg caggacaacc tggaggattc ttcgccgaac 240
 gagttttccg agcgcggagg gtgcgcatcg atccacagcg tgacctctcc taccgatct 300
 ggttcttttg atctcaaact actcagtctc cgccactgcg ccacaccacc gcgtcgcagc 360
 aatgccgtcg ccgcgacgaa agctgaaggc ggctcgtac gag 403

<210> 25898
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G8

<400> 25898

gacgacgcca tgtcgcggac gcggacgctg ctgggccaca acctggagcc gacgccgtgg 60
 caccggttcc cgcacgacaa gggccggccg ccggcgcgcg cggcgctgcg gtgcgcgccc 120
 tccatgcct gcctgccgcc gctatcacg tcgtcgtcgt cgtcgccgcc gcaaggtaac 180
 aagaagaaga agcagaagca gtgccctgcc tacttcgctg ccatccaccg ggacctggct 240
 ccgtggcgcg ggcagggccg gggcgtgacg cgcgcgctcc tggacgaggc gcggcggcgc 300
 gcgtccatgc gcgtcaccat cacggggcgc gggcggcggc tgcacgtgga cctctactac 360
 gcctgcgtgc agagccgcgc cctgttcacg gtgtggagcc tgctgcagct gatgcggctg 420
 ttccccgggc gcgt 434

<210> 25899
 <211> 428
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-046-Q1-K1-E6

<400> 25899

gtgggactgg gcttttcaaa tcaacagatg aagaatcccc actgatatcc atggacgacg 60
 aaggatggat cacaattccg tgcaaggcac ttctgaaag ttggaacgac atatcagaaa 120
 tggttcagtt gcaggctctg gaccgttcct tcctttttcc agttatcagg cgagcaggtt 180
 cctatactgg cgtgcctgtc agcttctaag caagatgtac aggttatatc cccctttaga 240

attgccgcag taatgtctaa gaatggaact tctatgcaaa actttacaaa taaatctagc 300
cctgtcagtg caaatgggtca tgataatgga gcagctggag aaagtggcta tgaggatggt 360
gaacccaatg gtgaagcatc tnccttcagga catgatattt tggagactca atctctcctt 420
cagatgga 428

<210> 25900
<211> 136
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H1

<400> 25900

aaaaagcatc agctaacgat ggctggagcc caggcactgc taatagcact tgcgggtgcc 60
gtagatgacc tggacgggcg gccagcgatt gtaggcgatg gagacggcga ggtggcggat 120
atctggatga tgactt 136

<210> 25901
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C4

<400> 25901

ggcgataaga gcaacgcagg cggcttcgcc accttcgcct cagccacctt ctctgctgag 60
ggcaacgggt tcatctgcaa gtcgatgggg ttctgtgaaca cggcggggcc ggagggggcac 120
caggcgggtg cgatgcacgt gcagggcgac aagtcggtgt tctacaactg ccggttcgag 180
gggtaccagg acacgctgta cgtgcacgcc aaccggcagt tcttcgcga ctgcgagggtg 240
ctgggcaccg tggacttcat cttcggcaac tcggcggcgc tgttccagaa ctgcctcatg 300
acggtgcgca agcccgggtga cagtcagtcc aacatggtga cggcgcaagg gcggacagac 360
cccaacatgc ccacaggcat cgtgc 385

<210> 25902
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C5

<400> 25902

gtcgtggtcg agttccagca cggcggcacg ctgaagacgc tgctgtacaa ccaccgcgac 60
aagaagcttt cctacaggaa ggtcgtccgg ctcgcgctcg acctcgccag agggctgagc 120
tacctgcact cgaagaaggt gatgcaccgc gacgtgaagg cggagaacat gctgctggac 180
cggaagcggg cgctgaagat cgccgacttc ggcgtggcgc gcgtggaggg gcagagctgc 240
gaggtgacgg ggcagacggg cacgctgggc tacatggcgc cggaggtgct gcaggggaag 300
ccgtacgacc acaagtgcga cgtgtacagc ttcggcatcc tgctctggga gacctactgc 360
tgcgccatgg cctaccccaa ctacagcctc gccgacatc 399

<210> 25903

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C6

<400> 25903

gtggtgctct ctgtgccgcc ttttgcaggg gaaggggggtc tgggttgctg acaggggaaa 60
ggcacgcgcc gccgctgccg cgcgagcctc ttcgtgcccc tcgtcgcgca gatggatccg 120
tcgttgagac ccatgtacgc gcaggtcgag ccgtacgact ccgggttcct caaggtctac 180
gatgtgcaca ccatctacta cgagcagtcg gggaaccgcg acggccatgc ggccgtgtgt 240
ctccacggcg gtcccagagc cggcacgtcg cccgtcaaca ggaggttctt tgaccgcgag 300
ttctacagga tcgttctgtt tgaccagagg ggtgcaggca gaatcactgc caatgcttgc 360
ttagagcaga acactacttg cgacttggtt gctgacat 398

<210> 25904

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C8

<400> 25904

atcacacgta cgctcgcggt tctgaaatac accactgacg cagactgtct gaggtgggca 60

accgcttcat gtgccagctg cttgggctag ctaacgcagg tcggtcgcag aagcggccgt 120
 actctgtgtc catgatggag ctccagcgacc ccattgtgct gtacaacttg cccttcgaag 180
 tctacgagca cacgctgtac gtgcacgcca accagcacat gatcaagcca tgcgaggcga 240
 tccatgacga ttactacatg atc 263

<210> 25905

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D2

<400> 25905

gtgtgcatga tctccaactc caccagtgtt gtggaggtct tctcccgcat tgaccacaag 60
 ttcgacctca tgtacgcaa ggcgccttc gtgcactggt acgtcggatga gggatatggag 120
 gagggcgagt tctccgaggc tcgtgaggat ctggctgcgc tcgagaagga ctacgaggag 180
 gtccgtgctg agtttgacga gggtgaggac ggcgacgagg gtgacgagta ctagacgctc 240
 tactggcgcg gcgtcgtcgg gcttgtgtgc cactgctatc ctgtgatctg ccctgagtgg 300
 ctccatcgt gttatgtttc tgcggttct tatctatctg tcgttgtgtg gtttacaact 360
 tacgttgtaa gactttattc ccccgctttg ctactgggtt attaagtttt ggcgtt 416

<210> 25906

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D3

<400> 25906

cccacgcgtc cgcgatcacg acaagatggc gtgcacaaac aatgcgatga gagccttgtt 60
 cctcctggtc ctcttctgca tcgtgcatgg tgagaaggaa gagtcaaagg gcatcgatgc 120
 gaaagcgctc gggcctgggtg ggtccttcga catcaccaag ttgggcgcct ccggcaatgg 180
 caagacagac agcacgaagg ctgtgcagga ggcattgggca tcggcgtgcg gcggcactgg 240
 gaagcagaca atcctcatat ccaaggggtga cttccttgtc ggacaactca acttcacagg 300
 cccttgcaag ggcgacgtga ccatccaggt ggatggcaat ctgctggcga ccacggacct 360

aagccagtag aaggaccatg gtaattggat cgagattcta cgtgt 405

<210> 25907
<211> 277
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D4

<400> 25907

agcgtttgtt gcctagcgat atcaggggtgt gaccattcgt ttgaaacagt gctccgtctg 60
tttttggact acataatttt ggcacaaagc aggtgtacaa ggtaaaccct tttaaaactt 120
tcattctattt gtttcgggat agtttgggtgt gtgggggggt ttgtctcgat cctttgtgct 180
actgcaacat ttggtcactg gacatcgtga atgagctaata tttaaacata tgaaactgta 240
ttacacatgc catgacaatt gatgatcaat gctaacc 277

<210> 25908
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D5

<400> 25908

cccacgcgtc cgcccacgcg tccgcggacg cgtgggcgcg ccctgctgcc caagaagcgg 60
atccgcgcag ggtgaccctg gcgcgcagga cgggacgtcg tggatctggt gtccgggtccg 120
ccattggccg tggcgacgcc gtcagtcagt aagtgcgcgg tcctggaatg gtatagagct 180
atcgtaaaaa taagttctgt ttttttttgtt ggctgtagaa ttgggaaaga ggctgttgtt 240
tatgaggag gatgaatggg gaattgaaag cttgtaaaga gaattcctac agatttgttc 300
gttgatctcg ttaaactata cttgctgaca gttcaagaat aaatgatgag ctttcacctg 360
aaaaaaataa ccatggtt 378

<210> 25909
<211> 260
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D6

<400> 25909

ataagacaca tctcccttc tcaccaacc ctccaagcaa cattgaccgc aaagggccat 60
ccgctgcggt cagtgtaggt ttctgaatca tagcttggcg atgcctgagg ctagacaaat 120
actgagctag ccttcagaaa aaaagagaaa agaaagagat tgagaagcag ggagaaaaaa 180
tggcactggc ccattgagga agcttgagaa ccagttaaca agaattgcc acaatattctt 240
ggacaatctt gttaacatag 260

<210> 25910

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D7

<400> 25910

cccacgcgtc cgaactgaac gggcacatca atagtctctg gcctccaagg gaaattggga 60
aattcagatt gaacgtggct gcatcatttt tcctttcatt ggtcttttca gcaacagcga 120
tccattctcg tgggagggag agagagagag agaggagag aaatcaaaga ggagagtgat 180
catggagcat gtgattggag ggaagtataa gcttgggagg aagattggga gcggatcctt 240
cggagagcta tatctcgggt ttaatataca gaatggagag gaagtgggaa taaaattgga 300
gcctgtgaaa acaaaacatc cacagctgca ctatgaatct aaagtttata tgctgctgca 360
gggtggaaac ggtatccac acctcaagtg gtatggtgtt gagggggagt acaatggta 419

<210> 25911

<211> 259

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D8

<400> 25911

cccacgcgtc cgggttattc attcgtcctt ctattatctt tgcctttgtc ttgtttggta 60
agatttcact acttctgcgg ggtgtcacag tcttaagatc atggtgtttt tatgtctcaa 120
acatggctgc aattgtgaca ttaggtagat gggagatttt tgactgagtt ttcgtgtttt 180
gtgagcgaag tcaaggtagg aaatgatgtc cgagagtga gagcatggct cgctcctaga 240

caagatcaac ggacagatc

259

<210> 25912

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E1

<400> 25912

gcgcccacgc gttcgtactg aactgtcaca tcaatagtct ctggcctoca aggggggatgg 60
ggaaattctg atcgagcgtg gctgtatcat tagttctttc attggtctat tcagcagcag 120
cgatccattc tcgtggaagg cagagagaga gatagaggga gagaaattaa tgatgagagt 180
gatcatggag catgtgattg gacggaagta taagcttggg aggaagatcg tgagcggatc 240
cttcagagag ctatatctat gtgttaatat acagaatgga gaggaagtgc gaatcaaadc 300
gtagcctgtg aaaacgaaac atccacagct gcactatgaa tctaaagtgc atatgctgct 360
gcaggatgga aacggtatcc cacac 385

<210> 25913

<211> 355

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E2

<400> 25913

cgagggccag ctccgccgcg cgcgcaaggc gtcaccgac gtccgccgcg tcctcgtcga 60
cgacaccgcc gcgtccggcg ccggcggcgt cgcctccttc ctgtcctgcc accgcaaccg 120
ctccttcggc cgcgcgcgcg cctccccgtc gcgcagcgcc ggccgccagcg ccagcgcctc 180
agcctcagcc tcccacttcc gtcctctctc ctggagcgtg tcccgcacct ggtccgccgc 240
gcgccagctg caggccattg gggccggcct ggccgcgccg cgcgcgcacg agccgggcct 300
cgccgtcccc gtctactcca tgggctgcgt gctgcactc accgcgtggg cgctc 355

<210> 25914

<211> 111

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E3

<400> 25914

aattgttctc tcgtccttgc attgcccatt acatgctatc cattggtaac gcacaacagt 60

aaaatgacag acatccgaca gctatattat gttcgacggt gtaacaccct g 111

<210> 25915

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E4

<400> 25915

cggttcggaa ttctcgaggc aagcctcccg ttcgatctct accatccagg gttgttttct 60

gcatgctttc catggatggc tcacaggggg ctaatgccct acatacagac aatctttcat 120

gtccatacgg tctacatcac tcatctactt agtcatctgg cgttcgctct ctagcactaa 180

tattcttatg cgtgtatagc tacttgatga atctgatata gcgtcatcca aatccacttc 240

agtggccgca ttttcacatc ttcatggatg tgaaatctct ggcgaaacct aacttaatcg 300

acttctacaa gatcgcactt actccatctg tgggtactaca gtcatactt gtactgatcg 360

gcgttactta cagtacggca ccttgaatgt catatagcga gcgcagtata ctagctcttt 420

agtcactgc 429

<210> 25916

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E5

<400> 25916

cccacgcgtc cgcggacgcg tgggggaggc gctgtacctg caagtgagca tcatcagcca 60

ggcgctcatc ttcgtgacct ggtcccggag ctggctcttc gtggagcggc ccggcgcgct 120

gctggtgatc gccttccctg cggcgcagct ggtggcgacg tgcacgcggc tgtacgcaa 180

ctgggagttc tgcaagatgc agggcatcgg ctggggctgg ggtggcgcca tctgggcgtt 240

cagcgtcgtc acctacttcc cgctggacgt gctcaagttc gccatccgct acgcgctctc 300

cggcaaggcc tggaacaaca tcaacaacaa gacggccttc accaaccgca ccgactacgg 360
caagggcgag cgagaggcgc agtgggccac ggcacagatg acgct 405

<210> 25917
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C3

<400> 25917

ctcgtattaa cggtcggcgg tgggtgtgga gcgggacggg gcggcgagat cacgacgaga 60
tggagactga catctcttca tgcggaggcg gcgggcgcca acagcggggt ataggacctg 120
tggaggtgca agcggcgacg gcagcactgc ggcggtcaga ggtgttccac gtcttgaagg 180
agctcgtagg ctctgtcttc tacatgcacc accagatccc ctcggttttg ccgagtcttg 240
aaaatgaatt tgcaagtta aaggaggaaa tgacagaaat ggcattacaa ccagctgaac 300
tcaaaccatc tgatcggaga aagtacaaca cacgaaatac ggaggttaga cgtagaataa 360
agaagcacga gaagttgatg aatggcatct ctaccttact c 401

<210> 25918
<211> 464
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H9

<400> 25918

cccacgcgtc cgccacgcg tccgggggct tgccttcac tttagcagtt caataaatat 60
agagctcaga tgtcaaaacg aagtatacac caciaagatc aaaaggagaa tcatccagtc 120
atccgtact actacttctg catgtctact acctttgata taaaattttc acctcctggc 180
tactacggat gatctggatt tctccgtcgt ttcttgctgg aaatcttaat ttaataatgt 240
tctgcttcag attgcggagc tgagaacacc gtgaagctag tagacgtcgt ccagtgccgt 300
gaatgtggcc accgcacct ctacaagaag cggaccgcgc ggattgtcca atttgaagca 360
cgctgaagag tgacgacagg ggaaaaacac tggagatggg tgatctatta ctgcgacctc 420
acctatgtaa agagtcttgt gagggaaatg aaagtgtcag acat 464

<210> 25919
 <211> 141
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-A1

 <400> 25919

 cggacgcgtg gggaaaaaat tgtgaatctg ttatgatgcg tctagaaaag ccaaaacaga 60
 ttttgttatg tgcgtagaat ttgttagaga gacgagggaa atggatttta tgcagtcatt 120
 ttgcatgcaa atgatttata g 141

<210> 25920
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-A2

 <400> 25920

 cccacgcgtc cgccacgcg tccggttgag cacgacgatg ggatccctcg ctaataacat 60
 catggtcgtg ggcgccgtcc ttgcccgcgt tgcgtcggc gggtcgtgcg ggcccccgaa 120
 ggtgccgccc ggcccccaaca tcaccaccaa ctacaacggc aagtgggtca ccggcagggc 180
 cacctggtac ggtcagccca acggtgccgg cgctcctgac aacggcgggtg cgtgcgggat 240
 caagaacgtg aacctgccac cctacagcgg catgacggcg tgcggcaacg tccccatctt 300
 caaggacggc aagggtctgtg gctcatgcta cgaggtgaga tgcaaggaaa aacctgagtg 360
 ctcgggcaat cctgtcaccg tgttcatcac agacatgaac tacg 404

<210> 25921
 <211> 329
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-A3

 <400> 25921

 atgacgatag ccgacgtgct ctgcctgctc ctcttctctg gccgtctcgc cgcggcggag 60
 aagactttcc gcggaggtgg aggcggaggc taccgcgggt tggaggccgg tggcggaggc 120

ggcggcagct attccacccc gagcgaggcg gcgccatcca cgcccgccgc tggggagacg 180
 actacccctt cgtcaggcgg cgggttacttc actcctagcg tggcgggcgcc atccacgcct 240
 gccgctgagg agacgacgac gactgcttcg tcaggcggcg gcggttacgg cggtgcaacc 300
 ggctaggctt cctgacgcgg cggcggact 329

<210> 25922
 <211> 377
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-A4

<400> 25922

gaaccctccc tcttcgcccc gtcctcgatc cggcgccggc gccagagatc tcgccgtcgt 60
 cgcgcgctct acctgcgccc cgctgatgag ttccgagagc gactccttgg cctcacggcg 120
 gtccaagaaa cccaagtatt ccaagtttac ccagcaggag cttccagcat gcaagccaat 180
 gttaactcct ggaatcgta tcgggtgttt ctcgctcatc ggtgtcttct tcgtcccgat 240
 cggcctcgct tcgctatccg cgtctcataa catcggtgag gtgatagatc gatatgacgc 300
 cgagtgtgtg tccgccaacg acaaggtcgg cttcatccag gacgccaaga ccgacaaggc 360
 gtgcacaaga aagatta 377

<210> 25923
 <211> 360
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-A5

<400> 25923

cggacgcgtg ggctccctcc ctctctgcct gaccagctag gatcagcgga agcagcaatg 60
 gtgatggcgt cgtcgagcgg gctgaggagc tgcagcgccg tgggcgtgcc cagcctgctg 120
 gcgccgtcgt cccgggtccg cgccctggcg ccgttctgcg ccaacgccac cacctctggc 180
 cgcgtcacca tgtccgcgga gtggatgccc ggccagccac gccctgcca cctcgacggc 240
 tcctctcccg gggacttcgg cttcgatccg ctgggcctcg cgaccgtgcc ggagaacttc 300
 gagcgggtca aggagtcaga ggtgtaccac tgccgctggg ccatgctagc cgtccccggy 360

<210> 25924
 <211> 407
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-046-Q1-K1-A7

<400> 25924

```
cccacgcgtc cgagagcatc aaggattctg actgccaac tgagcttgtg cgggctgatg 60
agaaatctat agtgaatgtg aatcttgtcc ggacggaaga agaatttact gagccagtca 120
agcgtgctgc tccttttgaa ggggaacgaa gaaacctcat ggaaccttct gataataata 180
cttccaatgc tgctgctgct gctgctgctt ccagtagtgc aactgcttct cggacaatca 240
cagtggacga ttctttgcca tcaacctccc tccaaatcag gttcgcagac ggcagtcgct 300
tggttgcccg tttcaacaca agccacagga ttagtgacgt gcgggcattt atcgacgcga 360
caaggccagg agccagtgat tacacgctgc angccgggtt cccccc 407
```

<210> 25925
 <211> 106
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-A8

<400> 25925

```
ctatatatag tgtacatgtg acatatgac cacaactagc tggatgatga ctgggggaac 60
aacagggatg tgtccgggat caagctgac agggccaacg ttttac 106
```

<210> 25926
 <211> 389
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-B1

<400> 25926

```
cccacgcgtc cgtcgagacg catacatgct caagatatat gaagacaacc cggcagggtc 60
tccaggttgg tgcaacgcat aactgacaa gctgactttt tgccagattc tcggagagta 120
```


cagaatggag ttaccagagt acaacacgat tgaaccttat gcgaaaatga acgagaactg 180
 tacagccttg cccgcaacgt acaaacgagc cagacgctgc tgactacgag attgtctact 240
 atgtatctca ctgctgctgc ttcataataca cagcggcagt agagtgttgt agctatgttc 300
 tcgaagtaag agacactata tatataggcg cttggtagat ggtagctctt accagtaatg 360
 cctatgcatg gtatttaggt tcacggctt 389

<210> 25927

<211> 379

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-046-Q1-K1-B2

<400> 25927

cggacgcgtg ggccggacgcg tggggcggacg cgtggggccga cgacggccgc gggcctgctc 60
 cgcgtcttct tccacgactg ctctgcacgc ggggtgcgacg cgtcgggtgct gatcgcgtcc 120
 acccagttcc agaagtcgga gcacgacgcg gagatcaacc actccctgcc cggggacgcc 180
 ttcgacgcgc tgggtgcgcgc caagctggcc ctggagctgg agtgccccgg ggtgggtgtcc 240
 tgcgcgcgaca tcctcgactg ggcgtcgggc gtgctgatta ccatgaccgg cgggccccgg 300
 tacccggttc cgctggggcg cagggactcg ctgtcgtcgt cgccacggc gcccgacgtg 360
 gagctgccgn acgccaact 379

<210> 25928

<211> 338

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-B3

<400> 25928

gtcctcgacc atccctgcaa attacgcga tggctcccaa gacccctagtc atccttgctg 60
 tcctcgccgt ggctcaccg gctgctctgg ccgccttcga tgtgatagag atgctggccg 120
 acaagccac gtactccacg tcctgaagc tcctgcagga caccaaggct gcgggcgagg 180
 cgaatcagct ccggtcggcg acgctactgg tcgtaccga caaacttgcc aagcctctgg 240
 cgtcgtgcc cgccgataag gtgcggccgg cgggtggagaa ccacgtcctt ctcaattact 300

tcgaccccat caagctggac gagatgaaga cacgcacc

338

<210> 25929

<211> 381

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-046-Q1-K1-B4

<400> 25929

gcgagctagc gagcgagatc cccctctccc gctgccggat ccgatctgac ctgacctcgt 60
cgccgcctgc cgtgggaggg agaagaggaa gaggaggcgg aggcggcgga gatggcaccg 120
gtgtcagcgc tcgccaahta caagctcgtc ttcctggggg accagtccgt cggcaagacg 180
agcatcatca cccgcttcat gtacgacaag ttcgataaca cctaccaggc tacgattggg 240
attgatttcc tgtcaaagac aatgtacctt gaagatagaa ctgtgagact ccaactctgg 300
gatactgctg gtcaagaaag attcaggagt ttaattccaa gctatattag agactcttca 360
gntgctgtca ttgtattcga t 381

<210> 25930

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-B5

<400> 25930

caaaagatgt aaaaacgaaa gagaaggcag ggaaagagtc caaagacctg gaagtgaaag 60
gggaggcagg gaaagaatcc aaacatggcg aagcgaagaa gccagagaag gactcaaaag 120
atgtaaaaac gaaagagaat gcggcaggcg aagagtcgaa agacgcggaa gtgaaagaaa 180
aggcagtcaa ggacccaaaa gatgtggaaa tggaagggat ggcaggaaaag gagcccaaag 240
atgtggaaaa gctggatggc catactttga gcaacgagga atcagacaac gatactctta 300
gcgtgtggaa aaaacgtaca gcaaaagcaa catagtcttg ctttctcagc tgaccattca 360
tagtaggatt tgcagatttc acaggcaggc aaacgttcgg agatgtggat atc 413

<210> 25931

<211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-B6

 <400> 25931

 cgcgccgtgg tgtggagcaa ggggggattc gccttcaccg tcgatcgccg cgtgcgcctc 60
 tcggcatatc cgccactaca ctagacgagc aaactactgt ggatcatgag gccacgcaga 120
 tagaagtagc tgagcaggag ctcatagaag gaaagctagt gaacgactac cttacccgaa 180
 aggggcaagg gcagtaggag agtgggttagt gtagggaggt ccttgggttg attttgctgc 240
 gatggcggtc aggcgaggga tctctgcact ggagcttcct ataaactgta gcggattatc 300
 tgaagctagt ggaactatgt aaaggcctcg tagcgtgacc ctgcctcgcc tctcggtag 360
 aggtgtatgg gattggtcgt ctcttggcac atgggtaaca tgac 404

<210> 25932
 <211> 371
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-B7

 <400> 25932

 cccacgcgtc cgcattcact aatccaagac aaaacatggc tgtgaatgtg agaaccatgt 60
 ggtcgtcgat gcgggcacag gttgcgatgg ttgtggcggt ggtgttcttg gtgagcggcg 120
 catggtgcgg tcttcccaaa gtccccccag gcaagaacat cacggccacc tatggcaagg 180
 actggctgga cgctaaagcg acatggtatg gcaagccgac atgtgccggt cccgacgata 240
 acggtggcgg ctgcgggtac aaggacgtga acaagcccc cttcaatagc atgggcgcat 300
 ggggcaacat ccccatcttc aaggatggtc tgggttgtgg gtctgcttc gagatcaagt 360
 gcgataagcc t 371

<210> 25933
 <211> 89
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-B8

<400> 25933
 cggacgcgtg ggcggacgcg tgggctgacg cgtgggtgaa tttgagggtg taaaagggtct 60
 tctccaaata ccaaccaaata ttaggggtt 89

<210> 25934
 <211> 342
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C1

<400> 25934
 gacgatgacg atagccgcgcg tgctctgcct gctcctcttc tctggccgctc tcgccgggggc 60
 ggataagact ttccgcggac gcagaggcgg aggctacggc gggttgaggc ccggtggccg 120
 aggcggcgccg ggctattcca ccccgagcga ggcggcgcca tacacgcctg ccgctgggga 180
 gacgactacc ccttcctcag ggcggcggtta ctccactgct agcgtggcgg cgccatccac 240
 gcctgccgct gaggagacga cgacgactcc ttgccaggc ggccgtggat accgcgggtgc 300
 aaccgcgaag gcttcctcag ggcggcggtg actggacccc ga 342

<210> 25935
 <211> 347
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C2

<400> 25935
 cggacgcgtg ggcggacgcg tgggcttttt tttttttttt actagaaatt gaaacttgat 60
 caatctttct taatctatat ggattggtgt aaccgaacaa gcacaaatgt gatctacttt 120
 taaaaaattc gttcatggga gcacgggaaa aaaaaggaat tcccacacca tggagactcc 180
 aagaagaatt gtgcgcatat gcatgttcta agtgctcgtt cggatccagc agttgcccct 240
 gcgccatcga tccctgccga tccgggcctg ggccctgcgc agccggggcct tgtagtcctt 300
 ggcccacgcg cggagctgtg ccttgagctt cttgaggtcg gcggcgg 347

<210> 25936
 <211> 458
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H8

<400> 25936

aaacaatttc caattccggt cctggaggac gtctgcacgg ggaccttccc agcgggacgac 60

ggccggctgc atccatggcg gtggccttcc tgctgctggg attgggtttc ctccttggcc 120

tcctctccct ggcgatcgcg gaggggctgg cgctcctttg ggccatccga agcctcacgc 180

gccgcacatc ggcctcacgc agcacgccgc cgccatcact ccccatccac ccgacgccgg 240

cgcggtctgt gtctcgccac agcctcaacc gacaggacac ctcatctcat ccatccactg 300

ctgcagtatt ccacacgttc acgacctgta ccttaacacc tttcccatcc tatctacgag 360

taaacagggc ttcttatgga tgctggagca acccaaggat agcagcatca atggcgctag 420

cccagggatc agagacagga agctcctcgt cgaggttt 458

<210> 25937

<211> 220

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G2

<400> 25937

agaagggcta cgacggcgcc aaggccgaca tctggtcctg cggcgtcata ctcttcgtgc 60

tgctcgccgg ctacctgccg ttccacgacg ccaacctggg ggagatgtac acgcatgata 120

agcagagccg acgtcaagta cccgcagtgg ttctcccctg agctacggcg gatgatgccc 180

aagctcctcg aaccgaaccc aaagctcagg atcacgatac 220

<210> 25938

<211> 358

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-045-Q1-K1-G3

<400> 25938

cccacgcgtc cgaacgaatt gtttgtccag gagaaggccc ccgacgggat tattcttttcg 60

ccccgcgtgc tctctatctc tcccctcttt ctctccctct gcccgacgac taggcgcggc 120

ccgtcacctgt cccgccgacg tcgtcggcgt cgtgccccagg tctntgtcgg tccttggttcg 180
gcaacgagca ccctacagat ggctgggagg cacagccata ttctgatgca gccatctcaa 240
aataaggctt ctagaacatt tatggattac aattcgatta atcatgcctt ggatggaatc 300
tggggggcttt atggaaagga aattaagggt tttaacccaa tggcccccaa ccttacct 358

<210> 25939
<211> 359
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G4

<400> 25939

ggaagggtag acagtgaacc caagcttgga tttcttgccg aagtggaccc atccaccagg 60
gtactgtcaa ccgactcctt cctcaagcac actgatgtgg ctatactgct ggacaatgat 120
gccatctacg acatctgccg acgatccctt gacattgagc gcccaccta caccaacctc 180
aacaggctag tgatccagggt catctgatac cttactgcct gcctgaggat cgatgggtgct 240
ctgaacgtgg atgttaacga gttccagacc aacctgttac cctaccogag gatccacttc 300
atgcttttctt cgaacgctcc aatcatgtct gctgaaaagg cctaccacaa gcagctttt 359

<210> 25940
<211> 295
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-G5

<400> 25940

gaggctacga cgtacgcata cggctgcgcg ctcatggatg caataggaaa taatgagtcg 60
cctgcctgat gggctagagc ccggagaatg gacttaccta ctggctgtta tgactgaagc 120
tcggagaccg cttgggcgtt gtacggcgtg catgtacctg cgctcacgt cgatgacatg 180
gacagattga ataaactgct cacgggcttg gtgaaacagg agaggtagca tgacaagcac 240
tgcttgggag acttgacctc agtaagatga ttctggctgg nggccgtaga ttaca 295

<210> 25941

<211> 448
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-045-Q1-K1-G6

 <400> 25941

 cccacgcgtc cgctgctggt tatgctcctg caacaatgaa tatgctccaa actcctccat 60
 gtcataagcaa cagccatgaa aaagagtcag gtgcagtttt ttcaaatagc ttttaacatgg 120
 ccccatcagt gacacctacc tccccttttc aacttatgtc tccaagctca accaactaca 180
 cttccactca aatcttcgag gaaaccaaca atttagagga cacttcaaga gtctttggag 240
 gtggggataa cgaaagcaac aacagtgagg aaccggatcc caagccggct gtggagatgg 300
 aagacctaaa ccaaggcaat gatcatactt cgaataaaac agctaactgt caagattacc 360
 gtatggctct gcgcaaggac ttgacataca gtgatgttgg aaacattgga agaatcgtgc 420
 tgccaaagaa agatgcanag cctaacct 448

<210> 25942
 <211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-045-Q1-K1-G7

 <400> 25942

 tggcactaag aacaaaaagt atgataaaat tagtgaaaag aaaatgctta cctcggcaga 60
 ggtacttctt tttgccaaca cgaacattgt aatcctgtca tggtagctgt tgcagacact 120
 gtttgaacta acattgtctt aaacagattc tgtgcaaata ttacccgccg gagttcgtct 180
 catatttcca ctattgtcga tccctgcgat ttgaagacag gccagattac tatccaatga 240
 agaagctctt tcgtgatgta tctatacggg atggatacca atttgattac gcatttgact 300
 ggactgcact caagtaccct taaatgggct ccaacaacaa gctagttcaa caaccaagtg 360
 caagaatggc ttgggttgga ccatcagttg agagaacaga caaagcttac atggggc 417

<210> 25943
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G8

<400> 25943

atgagccccc ggggtgctcgt gctcgtgttg gggttgactgg tttgactggt gctgaacatt 60
ggcgtgatgc tgaaggacaa gatgtgcttc tgtttattga caacattttc cgtttcaccc 120
aggcaaattc tgaggtgtct gctcttcttt gacgtatccc atctgctgtg ggataccagc 180
caacccttgc cactgatctt ggaggactgc aagagcgtat tacgacaaca aagaagggtt 240
ctattacgtc tgtccaggct atatatgtgc ctgctgatga cttgacagat cctgctcctg 300
ctactacctt tgcccatctt gatgctacaa ctgtgttgct acggcagatc tctgagctgg 360
gtatttatcc tgctgtcgat ccactggatt ccacatcaag aatgctttct cccacgtgc 420
tgggtgagga tcattacaat actgttcg 448

<210> 25944

<211> 256

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G9

<400> 25944

acagcttgca tacagtagag caggggaacg agaagttaac gacaggaaag tatacaggag 60
aagagagagc agctgctgct catgagagaa gacaaggact atgccatact tgtagatatg 120
atccacgctg cgcttctgac cattaccttt ttgcgtactg cagatagaag ataatcgcac 180
gatgacgtag caactgaact gacatctgca tccgaactat ctgaagtacg cctaggaatt 240
gcagacacat tcttag 256

<210> 25945

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H1

<400> 25945

cgccatcgag atcagaaact tcctcggcga gaagaaggtc aggaagggtg acatgcttga 60
tggcgtgacc atcctccggt ccgagaaggc caaggatgag ctcatccttg acggaaacga 120

cgtcgagctc gtatctcgtc ccgccgccct catcaaccag aaatgccatg tgaagaagaa 180
ggatatccga aagtttttgg acggtatcta tgtgagcgac aagggcgtca tcgaagagga 240
gcagtgagcg acagtgtagc cgaaatgccg ggagatgaat atgaatgtcg tttgagttgc 300
aattttgcga gactgaatgt gaaccttttt ctcattcctt aaatagttga c 351

<210> 25946
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H10

<400> 25946

gcgcccacgc atccactcac tcacccccac gctttccctt tactttacca ggtcaataaa 60
tatatgctca ggtgtcaatt ctaaggatac accacatata tcaatatgac aatcatccac 120
tcacccgcta ctactacttc atcatgtcta ctacctttga tataaaattc tcacctactg 180
tctactactg atgatctgca tatctacgac gtttcttgct gcaaattctta atttaataat 240
gttctgcttc agattgcgga gctgataaca ccgtgaagct agtagacgtc atccattgcc 300
gttaatgtag ccaccgcac ctcctac 326

<210> 25947
<211> 458
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H11

<400> 25947

cccacgcgtc cgcccgatca accagatctt cctcctggac gatgtccagc agatgatcga 60
cggctgcatg gagaagctca actcctccgc gggcgtattc tccactcgcc tgcaggagaa 120
ctccatgaag atcaagggag tgctgaacca catggagcac gaactgtttg ctgttgacgc 180
tgttatggct ggcctatcaa tactcggatt cttgttctcc gtactgaggt tgcggatgct 240
tgtctcccta ctggtgatcg ctgctcggat ccttctcacc aataccatca tcaggtctgg 300
tctgttgcta ctgttgaca tcgtggtggc ggacacgtgc gtctcgatgg gcgattgcgt 360
ggcgcaccac gacgcgcaca cagcgtgga cgacatcgct ccgtgcgtgg acgtggtcac 420

cgctaacgag tcgctgtacc ggagccagga ggtgacgt 458

<210> 25948
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H12

<400> 25948

gcgcccacgc gtccgcccac tcgtccagaa aactattccc ttactatatc cagcaaataa 60
atatcggctt tgtttcctaaa cccaagtata cacgcacaca tatcaaacag acactcaccc 120
aataactcca tactactaca gggccatgtc tactaccctc gacataacat tgtcacctgc 180
tacctactaa tgatcaactc catatctccc accatccttg ttacaaatct caacttaata 240
atgctctgct tcacactgcc gagctgagaa cacagtcaat ctactacacc catcacactg 300
ccttgaatgt agccaccgca tcctctacac taaacacact cgtccaactc tacaatctaa 360
agcacgctgc acaatgacga cccacaaaaa aactcgcaca tggctgatct cttactcgtc 420
actcaccta 429

<210> 25949
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H2

<400> 25949

gaacgactcg gcattgggag atttcgctga gcactcgcca ttcgggagca gcaattcgct 60
gccagagttg ggaccagatg gcacacaaga tctagccttc taccaaagaa gcagccctga 120
acagcaatgg agctgggtccg ggtctgttgc aacagaggat tccgatgact tcgaggttgc 180
aacgaattgc tcgtcagatc tggattgcgt gagaccatct agtgcccaa aagcttctg 240
tttaacaaac ggagggggct cagctgcaag aaagtcccaa ctgaaggggtg caaaaagttc 300
agacatcata ggaggggaatc ctgcaaaaaa gtcacgtcgt ttacagaaaa agct 354

<210> 25950
<211> 412

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-045-Q1-K1-H3

 <400> 25950

 acggacgcgc agtcgcccatt tccgcatctc gccctcccggt cccgtcccggt gccgtacgtc 60
 cgtgctccga ttggccgcgc cccgcctcgc cctcctcgtc aacaaaagcc caccggaagc 120
 gagcgagcga gccaccctcc ccgcccggcga caccgtcccc gtcccagacac taccctcgact 180
 cctactgacc gccggcggtgg ggtgcccggg ctccaccttc ggcgacgaca ccgttcccgc 240
 cgcgcgcgcc ctccaccgtct gctccgtttg cgggggtagc cgggtgctccg gcctcggcag 300
 ctcttaaagc cccctgcctc acaacaagat ccaaaattcc gtactagact tcttctacct 360
 ccccttccag aactttctct tttggcatcc cggacggctg atctcgaccc cc 412

<210> 25951
 <211> 212
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-045-Q1-K1-H5

 <400> 25951

 cacaaccaga agccacccat tgcgtacgcg aggcgatcgg gcateccgtcc cagaggagaa 60
 actccggccg gcgacgcggg ggaaaatggg gaagacgccg gtgcggatga aggcgggtgg 120
 gtacgcgctg tcgcccttcc agcagaaggt gatgccgggg ctgtggaagg acatcaccac 180
 caggatccac cacaaggtca ccgagaactg ga 212

<210> 25952
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-045-Q1-K1-H6

 <400> 25952

 cccacgcgtc cgcttcgtac tcgcctacct ccgcggctca aacctttccc ctttctgcc 60
 attcccgcgc ccgctccatc ccgtaacgcg acaccatgag ggagtgcatt tcgatccaca 120

tcggccaggc cggtatccag gtcggaaacg cgtgctggga gctgtactgc cttgagcatg 180
gcattcaggc tgacggtcag atgcccgggtg acaagaccat tgggggaggt gatgatgctt 240
tcaacacctt cttcagtga actggtgctg ggaagcacgt gcccctgct gtttttgttg 300
accttgaacc cactgtcatc gatgaggtga gaactggcac ctaccgncag ctcttncc 360
ctgagcagct catcagtggg aaggaagatg cagccaacaa cttttgcccg tgtcactaca 420
ccattggc 428

<210> 25953
<211> 187
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H7

<400> 25953
cccacgcgtc cggacgccat ctgcaagagc cacggaacac caccagatga gaagattgcc 60
atcaccaaag ctattataaa tgtatcgaat ggatccaagc cccactctt tgctggcatc 120
atagcacttg tgatgagcat cgcaacgatg gtccgtctga cccgcagcat gatgcctgtg 180
aaggttc 187

<210> 25954
<211> 334
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G12

<400> 25954
gctagggacc tactagctca gcgccatgca cacgtgtttg tctactacgt atggacctcg 60
aggcttgtgc ggtggcattg gcgtgcatgc tgatgggtatg ggatcatggg agtttggagc 120
tgctgtggaa cacccttcca aagaagctga cttgtggtgt caatgccacc tgataccttg 180
aacagaaacg actctttcct aggctggcgt gtatccacaa atctgtcgtc acatacacat 240
cacgtacgag aagtaccatg gaaattgtgt atactacagt tgtttcatca gagaggattt 300
tacgcaatga ctgtcacgcc ggagactaca ttat 334

<210> 25955

<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E9

<400> 25955

gcacgcatca cgacaagatg gcatgcacaa acaatgcgat gagagccttg ttcctcctgg 60
tgctctggtg catcgtgcat ggtgagaagg aagagtcaaa gggcatcgat gcgaaagcgt 120
ccgggccttg tgggtccttc gacatcacca agttgggagc cttcggcaat ggcaagacag 180
acagcacgaa ggctgtgcat gaggcacggg catcgccgtg cggcggcact gggaagcaga 240
caatcctcat acccaagggc gacttccttg tcggacaact caacttcaca ggcccttgca 300
agggcgacgt gaccatccag gtggatggca atctgctggc gaccacggac ctaagccagt 360
acaaggacca tggtaattgg atcgagaatc tacgcgtgga taacctgggc atcacccgca 420

<210> 25956
<211> 473
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F1

<400> 25956

gcagcgaccg gtcacgcgag acaccacgag ttcaactcga ttaagcagct atcaaccaac 60
cttagaaaagc tagagggcgt acccatggct cgcgctagcg tcttctttgt cattgcccgt 120
ctcctcttcg tcgccatggt cgcagcaccg atggccgagg caaagtcctg cgatgcccct 180
gtggctgacg cgccagccga tggacctagc gggccatctg ctgcacctgg cccccagggt 240
gtcgaacgcc tgtcaggcaa tgaggatgac gacgatgact ccaccaattg aggccacaca 300
cgtcggccccg gttaaatttg gaacacgaca tggaagacaa atgagagcaa tgtctttaag 360
accatgataa tgtgtggtca ttcactcatc catggatata tccttgctct gcctctgttt 420
ctttctgtac gatcatcaat gtgttatcat gttgttagct aactgtatcg act 473

<210> 25957
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F10

<400> 25957

cccacgcgtc cgcccacgcg tccgctaaaa acaagttatc cagggcgctca tattggggcca 60
gagcctacaa cggacagggt tgttgatcat acttctggac cagacgaaag atgcattcct 120
ggaaacacca tcgccgtcca agctgacatg ccatacagtg gcctgtcatc gttcggaaca 180
gcatttttgt ccaagttcga atgttctcag atgccacatc cactgttaga gcacgtgacc 240
ttcgtggaca ctccaggagt tttatcaggg gagaagcagc ggacgcagcg cagctacgat 300
ttcacgggag tcacgtcgtg gtttgcgggc aagtgcgacc tcatacttct cctgtttgat 360
ccgcataagc tggacatcag cgatgagttc aagcgtgtga tcgggtctct ccgcgggcat 420
gatgacaaga tacgcatagt tctcaac 447

<210> 25958

<211> 414

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-045-Q1-K1-F11

<400> 25958

ctcacccgcg cttcacgcct ccctcaccaa ataaggctcc gcccttttcc gacattcaca 60
gggggggacag gaaatcagcg gccatggcct cgattccggc gacgacctc gccgtcatct 120
tatccgtcct cttctgtgcc ggggctggca ccgccgtcga caacgacctc cccgactacg 180
tcattccagg ccgcgtctac tgcgacacct gccgcgccgg gttcgtgacc aatgtcaccg 240
agtacatcgc gggcgccaag gtgaggctgg agtgcaagca cttcggcacc ggcaagctcg 300
agcgtccat cgacggngtg accgacgca acggcacgta cacgatcgag ctcaaggaca 360
gccacgagga ggacatctgc gaggtggtct tgggtggagag cccgcgcaag gact 414

<210> 25959

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F12

<400> 25959

cagcggatga gtgcgacggc gacgaggccg gcgcgctggt cgccgcgcgc tgcaccggca 60
gcggcagcga taccggctcg acccgggacg cgccggcggt gcggtccccg cgcgccgcgt 120
gggcgctgtt cgtggaggag tcgcggaggc tgtgggcgat cggcgcgccc atcgccctga 180
acatcatctg cctctacggc accaactcca cgacgcagat cttcgcgggc cacatcggca 240
acctggagct ctcggcggtg gccgttggtc tctccgtcgt ctccaacttc tccttcggct 300
tcctcctcgg gatgggcagc gcgctggaga cgctgtgcgg ccaggcggtc ggggcccggc 360
aggtgtccat gctgggcgtc tacatgcagc gctcctggat catcctcgcc gccttcgccc 420
cgctgctcac gccgctctac gtgtacgc 448

<210> 25960
<211> 261
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-045-Q1-K1-F2
<400> 25960

cggacgcgtg gggacgttgg caagagagga gggccggcgt cggcgtgcct agctcgatct 60
tgaaccatag ctagccagca tggcgcccag cagcagcata gcagtactgc tgctcctcgt 120
cgtcgccgtc gtccctctcca acgtcccctc ctcgggcgcc ctggcctcct cgtcgtcgtc 180
tctgctgcac cagtcgtctc cgtctgagag tgagactgag accgacagta gcagcggaga 240
atcttcgtcg tcgtcgtcgt c 261

<210> 25961
<211> 455
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-045-Q1-K1-F3
<400> 25961

cggacgcgtg ggcggacgcg tgggaagcaa gaaaactaga aaaggctcct cccgaccgca 60
gcgcccctca tctccctcga ccccgacatc cccgaccgca tggcgcccaa ggcggagaag 120
aagccagcgg agaagaagcc ggcggccgag gagaaggcgg agaagacgac cgcagggaag 180
aagcccaagg ccgagaagcg gctgcccgcg tccaagtcct ccggcaagga gggcggcgag 240

aagaagggga agaagaaggc caagaagagc gtggagacct acaagatcta catcttcaag 300
 gtgctgaagc aggtgcaccc cgacatcggc atatcctcca aggccatgtc catcatgaac 360
 tccttcatca acgacatctt tgagaagctg gccggcgagg ccgccaagct ggcgcggtac 420
 aacaagaagc ccaccatcac gtcccgcgag atcca 455

<210> 25962
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F4

<400> 25962

cggacgcgtg ggcggacgcg tggggtaagc gcaagatcaa gccatcagcg gcaacccatg 60
 aggattccaa catgatcccg cgcaagcccg tcgaagcagt ggtggtgggt aagggttaagg 120
 tggccaagga taccgtgtcc gagtcacctg ctccaagccc cgcccccgtc tccgccccctt 180
 agttgcgtgt tgggcgcgcg tgcccgcgcg ccccgcccca ccatgcgtcg tgtctgcgcg 240
 cgcacgcacg cattgaacgg gagatagaat atggtatcgt tcaatgcaga ttgccatgct 300
 atagctccag agtttatcta cctggtagca ccatgacacg atggcccgtt cgtattttct 360
 ggcttgctcg tacttttcag ttccatggtt ttacaacacc ttttactccc agcagaaaat 420
 ccttaatatg catgtactcc tctttttttc c 451

<210> 25963
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F5

<400> 25963

cccacgcgtc cgcccacgcg tccggcagga tcgagccgaa tcctccgga ctcgccgccg 60
 ggacgaaccg acctcacact attgatcgag gatgtcgtac gcctacctct tcaagtacat 120
 catcatcggc gacacaggcg tggggaagtc atgcctgctg ctgcagttca cggataagcg 180
 cttccagccc gtgcacgata tcaccatcgg cgttgaattt ggcgcccga tgatcaccat 240
 cgacaacaag cccatcaaac tccagatttg ggacacggct ggccaagaat cattcagatc 300

tattactagg tcatactaca gaggagctgc tggagccctt ttggtttatg atatcactag 360
gagggagacc ttcaatcatc tcgcaagttg gctagaagat gccaggcaac atgcaaatgc 420
taacatgaca gtgatgctga tgggaaacaa atgtg 455

<210> 25964
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F6

<400> 25964

cgactacatg agccagtacc accgcccccc gccgccgccc gtggcgtacc acccgtacgc 60
ggcgccgtcc tcgccgtccc cgcagtacta ctacgtgcgc aacatgagca tggaggagaa 120
cccaaactcg tgcgccatct gctgaagcaa tcgatcccg cgcgtttgtc tgtcgcgtcg 180
cgcgcgcgaa cgtgagtacg tacgtgtcta ccggcccggc ccgccccgcc ccgtccatgt 240
gtacatccgt cgtcgtgtta cgttattatt acgatgagaa gacagacgaa tcaaactagc 300
tactcgtagc ttttattatt ttgtgagtcc aaagtccaaa ccgtatagct gccagttcgt 360
gaatgaatct gtaattaaat tctccatgaa aaaaaaatga ctccaagctg 410

<210> 25965
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-F7

<400> 25965

accagtgcac cgtcaccagg cggtcgccat acgattcacc gcgcacgtaa catgagaaca 60
gcgaaaacga agatgcttcc ccgggcccga gcggacgagg agacgagaga gggagagatg 120
gggccggacc tcctgggact tggcttgctg ccgccgccga tggccggcgg cggccacgga 180
ggtggttcag cggcgcacga gaagacggga ttcgacgagc ccctacgttt cgcgcgtgac 240
gcccctttgc cggcgcgcgc ttgcgtgcgc ccgcggcccc ggcccgtgga cgtggacgac 300
ggcgtcgtcc ctgcagcacc ttcggcgagc atgccgaagc cgnccgcgtc gtcgacggca 360

cggtgggccc cagctgagct ggcgtcgtcc ccgacgaagc tcggttcttt cagggagatc 420
t 421

<210> 25966
<211> 231
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F8

<400> 25966

cccacgcgtc cgcaggacgg tcttgacccc tcttctagat tccctttttc ttctggattg 60
tcatcacatg atgggtctaa tcagtcgtat ggctcaacga acccagaaaa tcttctccgg 120
gggtactgttc acggtggcaa cagtaatcat tatcaatctc agtttgggaag gcactcaagt 180
gacatggagt ttgatgatcc tgctatatta gccatgggca aagggctgat g 231

<210> 25967
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F9

<400> 25967

atcaccatca tgtgtgtctc tagctgtctc gtcattatat attacatgc gtatacgtat 60
aggtagcgat tcatacgtct tggaatcaat tactgtgggt attgtattat acatatgcag 120
gacacttagg gcttgtagcc gtgcctgtgg ctagtcatta atgagggaga catgctttta 180
ctgatcta atgtatgtagac tcaattacat gctattacga tacgggatac tatgcacact 240
acttttccat catcagcctg aattgagcgc ttttgcgaga gttgacactg tgtactcaac 300
cactgtctg 309

<210> 25968
<211> 212
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G1

<400> 25968

acgcagaccc cttgccgcac aggatcgacc aggtactact gagctcgctt gctgcatggc 60
tcgtgcccgg gcgatagact tacctactga atgctactac tggagacgag agacgggtag 120
acgggtgatcg ccctcatgat actcggctag ctgccggcgt cgacagactg catcaacttg 180
ctacggggctt gctcacacca taagactacg gt 212

<210> 25969
<211> 465
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-G11

<400> 25969

cccacgcgtc cgcacgccac aggcaaggca cagaggcttg tgaggagag cgaggagcgg 60
aggaggacat ggtgcacggg acgctggagg tgctgctcgt tggggccaag ggcctcgaga 120
acaccgatta cctctgtaac atggatccgt atgcaattct caagtgccgt tcacaggagc 180
agaagagcag tattgcaact ggaaaaggaa ctaccctga gtggaatgaa aactttatct 240
tactgtgtc tgaccggaca acagacttgg taatcaagat tatggacagt gatacaggca 300
cagcagatga ctttgttggg gaagcaacga ttccattgga agcagtgtat actgaaagga 360
gcattccacc aacactctat aatgttgtga aagggtgaaa atactgcggn gaaatcaaag 420
ttggtctcac attcactcct gaggatactc gccagcgggg tctcc 465

<210> 25970
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E7

<400> 25970

acgcccacgc gtgcggacta gttttagatc ggtttaactt gggggcttta aaaaaccccg 60
tcgcgaacgg tttgcccagc ccctcagagt cttcaatatt cccacattcc gccaccaat 120
cgactttacg ccagtctcgc actcttctga aagcgtctcg cgcgcctgtt ttagaaagga 180
aggaggacaa ttacgcagtg ctctatgtcc acatctggca cgcctgcac taagtctgga 240
acacccgctc tggaattac tgactacagc acgtgactgc agcctgatgg ccaaaagcct 300

ggagataaga ccgctgggca tcacgacatt gaagacagat gagagcaatg tctgtcagac 360
catgataatc tcgggtcatg cactcatcca tggatata 398

<210> 25971
<211> 304
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D2

<400> 25971

ggaggactcc acgcgcgagc ccgcccgcgc cacctaccgc cgcgcccgga tccccgcat 60
ggccggcgcg ccgcaccggg cccaggtcca cgctgatagc acgactccgc tgcagacgga 120
gcctgtactt gagaataacc cctgcaagag tgcaaacgcc aaggaccaga ttctttcttg 180
tacagagaat gtgactacag gcaatgcacg gtgcgctagc tacttgagac cgcccaacgg 240
tccaccagag aaggctagct ctgtgggaaa agctggagag caaccttata tctaccagca 300
aaat 304

<210> 25972
<211> 272
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-D3

<400> 25972

cncacgcctc ccgcgacccc ttggccttcc ttttcccggc cttccggcc gcggccgttg 60
gggtggccgc cttcgaaggc ttccgccggc cgaacaaggc cttccccag gccttcaaag 120
gccggtggcg gttcattctt aaccaattga acggctttct cattgtccac ctcaatcgcg 180
ccgctgaggc accgcgacga cgcgcccag aagtatgggg gtggcgtcgg ggctcgccat 240
gccgtgcagg cctcagctca gcgtctacat gc 272

<210> 25973
<211> 352
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D4

<400> 25973

cccacgcgtc cggaagcaac tgaaaacagc cgagcgatct cctctccctc tccctgtccg 60
atccattctc cagcgcagcg aagtaaacad gtctgaccgg gcaaagatgt cgtggcaggc 120
gtacgtggac gagcacctga tgtgcgagat cgagggccac cacctcgcgg tggcggccat 180
cgtcggccac gacggtgccg actgggcgca tagcacggcg ttccccgagt tcaagacct 240
ggacatggcc aacatcatga aggacttcga cgagccatgg cacctcgcg cgtcaggcct 300
gttcctcgta cctaccaagt acatgggtcat ccaaggcgag cctgggtgccg tc 352

<210> 25974

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D5

<400> 25974

atggctgcaa tgcttgagaa gcagtataac agtgagatca attcattatc tcatctgtac 60
gacaagaatg tgatcaagct tgtagcagcc taaaatgcc caccagtttt ttacattatt 120
accgagttcc ttcttgagg ctcaataagg tcatacctaa acaatccaga gaaccacccc 180
atccctctag agagaacat atccatcgct ctgatgtcg cccgtggctt ggaatacata 240
cattctcagg ggatcgttca ccgtgacatc aagcccgaga acattctctt cgacgagAAC 300
ctctgcgtga agatcgctga ttctggcatt gcctgccagg aggccttatg cgatgtgctc 360
gtggaggacg aaggcactta caggtggatg gcgcccgaga tgatcaagca gatagcgtac 420
aaccgaaagg tcgac 435

<210> 25975

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D6

<400> 25975

cccacgcgtc cgcccacgcg tccgcactaa tccaagacaa aacatggctg tgaatgtgag 60

aaccatgtgg tcgtcgatgc gggctcaggt tgcgatgggt gtggcggttg tgttccttgg 120
gagcggagca tgggtcggttc ctgataaagg gcctccaggt aagaacatca gggctaccta 180
tggcatggac tgcctgggtcg ctacagcgac atggtttggc aaggttactg atgccggaca 240
tgaccataat ggtggcggat ttggatgcgc ggacgtgaat aaggccgact ggactagtag 300
tggcacatgc cgagtccatg gtcattcaaa ggatgccttg tgccgtgatt cctgcttcga 360
gatgatct 368

<210> 25976
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D7

<400> 25976
cgtgcatctg gtgaagcatg caatgatggt cagtctcatg gtgatgaaaa tatgaaactg 60
ggtgaagctt aactgaact gcagctggca ccttcctctg gtgaggaggc catgacatgt 120
atgtgtagtg agctgcccag ccaggaggtg gaggtccaa gcagtgaccc tttggagaat 180
aatgaagaaa cgaaaaatga agctgctgct caaggatcag taaatgagga ttctgctcct 240
cgtgctgaaa atgcaaagat tgatgaagct gacacagaac aggaactgct tccatctgggt 300
gaggccacgg tagacgaatc cagcgagcta ctcagccaag acgaaaaggt ggctcgtaaa 360
gatgcaaaga tggaagagtc tgctgctgct gctgctgcac agagacagct aactactgaa 420
gttgctcatg caagtgaaaa cgcgaaact 449

<210> 25977
<211> 445
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-D8

<400> 25977
cccacgcgtc cgcccacgcg tccgcccacg cgtccggctg ctcacggggc gccgccccat 60
cgataccacc aactacatgg aggacagcct cgtggactgg gcgcgccccg tgctgagcgc 120
cgcgctggcg ggggagacgg gcttcgccga gctcgtcgac ccccgctctg gaggcgagta 180

ctccgtcgtc gaggtggagc gcttggcggc ctgcgccgcc gccagcaccc gccactcggc 240
 caagcgccgc cccaagatga gccagatcgt gcgcgcgctg gagggcgacg catcgctgga 300
 ggatctgcac caggacggcg gcaagcccgg gcagagcgtg ctcttcttcg gcgggggctt 360
 cgacaacatc tccgcctaa ggcagctcgc cttcgacagc ggcgactact cggactacag 420
 caccgactcc tncaccggtg gtggt 445

<210> 25978
 <211> 437
 <212> DNA
 <213> Zea mays .

<223> Clone ID: LIB3066-045-Q1-K1-D9

<400> 25978
 cccacgcgtc cgacggtcgc tcccaccttt ccgcccggcg aaaccctagc ccgtcccgac 60
 tggccgactg cgatgggcgc tgcgatcgc gtgcgtcccc ttggaaccga ctgccttctg 120
 gcatcgccaa gcccgctgcc ggggctgccg tcgtcgtagc ggcgctcgcg tctctcttcc 180
 tcgccctccc gcgtcctcgc gccgcccgc cccagcggg atccggggccc ctcatgtcga 240
 aggcaaaggt ctacaccgac gtcaacgttc tgcgtcccaa ggagtactgg gactacgacg 300
 cgctcacgt ccaacggggg gagcaggatg actatgaagt tgtcagacaa gttggaagac 360
 gtcaatatag tgaggctctt gaaggcatca atgttgacaa ttatgagaaa tgcattgatta 420
 agatccttaa gcctgtc 437

<210> 25979
 <211> 459
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E10

<400> 25979
 gcttcggtgg tccaccatgg cgcagcgagc ggtggccacg atgacgacta ataagcccct 60
 ggtcctggtc gccctggcgt ccgcgctcct tgggtcgggc ccggccggcg cgaacgcgcc 120
 cggcggggcg ttcagcaact ggggtggcgat gaaccagcag agctacgcgc tgtacgcgca 180
 gaagtccgtc ggggacgggg gcaaggagcc cctggacaag aagctgtcgg aggcggagaa 240

gaagaaggtc acgtacgtgg tggaccccag cggcaagggc gactacacca acatcaccgc 300
 ggcgctggag gatatacccg tgagcaacac caagcgcgtg atcctggacc tcaagcccg 360
 cgctcagttc cgcgagaagc tgttcctgaa catcagcaag ccgttcatca cgttcgggtc 420
 ggaccccaag aagcccgccg tcgtgggtctg gaacgacac 459

<210> 25980
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E11

<400> 25980

cttaaataca tctaagtgga tagaggaagt tcgcactgag aggggcagtg atgttatcat 60
 tgtgcttgtt gggaacaaaa ctgaccttgt tgacaagagg caagtctcaa tagaggaagg 120
 ggagggcaag gcgaaggacc ttggagtcac gtttattgaa accagtgcct aggctgggtt 180
 taacattaag gcgctgttcc gtaaaattgc tgctgcactt cctggaatgg agacgctctc 240
 atcagcgaag caggaagaca tggttgatgt gaacttgagg tccggcaaat gcaaactcgt 300
 cccagtctca ggctcaggct gggggatgca gttgttagtt gcagtctctg acacttgctt 360
 gctcatgac tttgggactc tgagcatcag aaagcggtat cactgatgct tctcttcgga 420
 agaagagttg attgcctctc gccagtgaac acaccat 457

<210> 25981
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E12

<400> 25981

gcgcccacgc gtccgcgatg gtaaattatt tactgttggg ggcaatgacg gaaaaaacia 60
 atttgaattg gtaaacagag aaaagaggaa actgacactt ggcgacattc cattgtccct 120
 tacatgtgca cttcataaag gatctatact aacggaccca acttctgaag aagaatcaat 180
 tatagagacc tatgtgactg ttgtcgttga ttcttcagac cgcctagtgt cattacaaaa 240
 agttggaggc acagtgcacat ccatggcaac tattaaggag tgcattagct tggcgaaaga 300

aaggaggctg aggctaagag aaattctgat agactctgtc aaagccatgg aagtcgacca 360
 tactgaataa ttctgcagat acattcagtt aatctaaccg gggatattct tgatgggtct 420
 ctgtgc 426

<210> 25982
 <211> 341
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E2

<400> 25982

cccacgcgtc cgcccacgcg tccgcccacg cgtccgggag aagaagaaa ggaacattta 60
 gacctgcctc actcacttag gcgtcttggg gagtgtacat tttatgatga tggcactgct 120
 aagggagagt tgccctgaaac agtttattgc tttgatgggtg tcttctataa ttacttttagc 180
 ataggaatgg atgctcaagt ggcttatggg tttcaccaat tacgtgatga aaagccattt 240
 cttgcaagtg gacctttatc caataagttg atttacgcag gatatacctg caagcaagga 300
 tggttcttta cgcaatgtat tagtgatcct gagttaaagg g 341

<210> 25983
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E3

<400> 25983

cccacgcgtc cggactagtt ctaggacggc ttcacctcgg cgtcttcaca aacgccggcg 60
 cgaactctgg cccgagcccg acagatcttc aattcccat tccgccacc gatcgacctt 120
 cagccagtc tcggtctctt ccgaaggcgt cgcgcgcggg tgtttgagag gagaggagga 180
 agatgagggg gtgcatctcc gtccacatcg ggcaggccgg catccaagtc ggcaacgcgt 240
 gctgggaact ttactgcctc gagcacggca tccagcctga tggccaagtg cctggagata 300
 agaccgcggg acatcacgat gatgccttca gcaccttctt cagccagact ggtgctggga 360
 agcacgttcc ccgtgcaatc ttccgtgatc tagaaccac tgtgatcgat gaggtgcgca 420
 ctggcacgta cc 432

<210> 25984
 <211> 273
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-045-Q1-K1-E4

 <400> 25984

 aaagtttcta gtctagaaaa ggagcgtcag catcttcaat ctactgtcaa agctcttcaa 60
 ggagaaaaga agctattgag gaacattccc gtgaatgaga aggcaacaac tactgtagag 120
 aaaccttggg ttgattaaag agacgcatta actggcacag aagatttaga tattggggaa 180
 aacagctctt tagaaacgct taccaacact gttgacacat gggaagatgc tggaatatct 240
 gttttgcggt tcaacattat ggctgaattt tct 273

<210> 25985
 <211> 449
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-045-Q1-K1-E5

 <400> 25985

 cccacgcgtc cgcgctgcct cgaggacctt agcctggccc acgagcttcg tatgctcgta 60
 tgcacccacg gtgccactag cgtctactcg atgtcacgc tcagtcacct ctccaggggc 120
 agggcaccag tcgtcgccgt gtacctgttg caccttgctg agctcgcgac atcgcgcaag 180
 tacgccatca cgcagcagct ataccacgcc cgggatgggtg gcgacgatga ggacgagtgg 240
 ggctacgcac gtgagatcga gcatgtggcc tncgccgtgg ctaccttcac ctatgacaat 300
 gccatcctcg tgcggcagat gacggccata tccagcttgg gctctatgga cacagacgtg 360
 cgcaactgtg tggaggatgc gcgtgcgtcg ctggtgatca tgcccttcca caaggagcag 420
 cgctacgatg ggcgcatggt gtgccggca 449

<210> 25986
 <211> 401
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-E6

<400> 25986

cagagacacc aagcgttgaa ctgcctaag cagctatcaa ccaaccctag aaagctagac 60
accgtaccca tggctcgcgc tagcgtcgtc tttgtcattg ccgctctcct cttegtcgcc 120
atggctgtag caccgatggc cgaggcaaag tccgccgatg ccctgtggc tgacgcgcca 180
gccgatggac ctacggggcc ggctgctgca cctggcccc agggtgtcga aggcctgtca 240
ggcaatgagg atgacgatga tgactccacc aattgaggcc acacacgtcg gcccggttaa 300
atttgaaca agacattgaa ggaaaaatga gagcaatgtc tttaatacca tgataatgtg 360
tggtcatcca ctcatccatg gatacatcct ngctctccct c 401

<210> 25987
<211> 257
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-B7

<400> 25987

cctgatttct ctggttcctt gagactatta ctaccgcttg tgcgagcacg caaatgtatg 60
tgatgcatta ttgctgatag catctgttcg ttggccagat gagtagagag ctgacaaaat 120
gttaagaaca ccatagagag aagtacatcc gctctctctc aactcaagga gcanacagca 180
acacttaatt atgagtctgc tatactgatt atcagtcgcg taacatttgt gaacaagtta 240
ttgaaatatc tctttttt 257

<210> 25988
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B8

<400> 25988

cacaacacaa ggagaagggg aagggcgggc aggggaagggc tccgcgtcgt gtccctgctc 60
gtcctcctcc tctctccaac accccatcca tcagcgtcgc cctccgcatt gctcttgata 120

ccatccagta catcgattct ccccccaaga tcaaaggccg gagaaggagg aagaaaggtt 180
 agggagtcgg ctatgggatg cttttcatgc tgctgtgtgg cagatgacga caacgttggc 240
 aggaggaaga agcatgacga tccctatgtt cctatccctg ctcatgttta taattttgga 300
 cctagccgggt tcccagcccc aaccctgtc atctccactg gcagagctca gccaatgca 360
 gtaccggcca ttcattctgga agagctgaag gaaattacaa aaaacttcag cagtgatgcc 420
 ctcattggcg agggctcgta tg 442

<210> 25989
 <211> 452
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B9

<400> 25989
 cggacgcgtg ggatcgcata aaaggagatc agcaggaggt ggagccaacc gacgacggat 60
 cggtccttgc gacggaagag accgagacct agcattggcc gcgcgccgga gtgggctgca 120
 ctgcagtgca ggtgggtctc gcatcgacg cgaggaggat gtaggctgtc gacgcccggg 180
 agaaaagggtg aagggtggagc ggggtgggcaa tgagccggca cctgcaccgc tgcttcgcgt 240
 ccacggggac catgttctct tgggcgctct tcctggtggc catgacggcc acgtacctga 300
 gcgtgcaactg cttcgtcgac agcacctccc cgcgctactt cgcggcgtcc tgtggcgggc 360
 tgcaactggga gcgccagatc cgggcgtcgg cgtcgacgcg gcggcgggtcg gcgcctgggc 420
 cgcccgcggg gctgtccgtg ctctgcacgg gc 452

<210> 25990
 <211> 490
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C10

<400> 25990
 gaattctccg ggttcgactc cacgtcgtgc cggggaattt gagggggaaa attggagggg 60
 atttgaggtg tggaggtggg gaatgaactg aatttccact tcaagtcccc gggcattatc 120
 tctcaatgtc tctagtcatt caaatcagcc cctgagggcc ctgttcgttt caagctcaat 180

ccatatggat aggggattga atggtttttaa atctctagca agtcaaaatc attcctaatt 240
cctcatgttg ggagagtgc tccagccgaag gtcctcaaac tacaaattcc aagttttatg 300
atctgtttcc agatcattct tcgtcacggc atgcctcagc cgaaagctat aaaatgaaaa 360
cgaaggctctg gagcaagtaa ctgggaaacg aagaaggaat caagtgacgt gcacgtaacg 420
tcttcaagag gaacagaaag acgatatctc tggtagatta tgtagctcac gtgtataaga 480
tcaaaggtca 490

<210> 25991
<211> 457
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-C11

<400> 25991

gcgcggacgc gtgggcgccg gaggagggga gggatgatgt ggctcccatt cctgtaccgc 60
gcggcgccgt gggcgtagat ggccgcgatg tcggcggtgt cgttcgtgtc catggcgaac 120
gcgggcctcg ccgagctccg cggcgaccac atgccctact ccaagttctg gcacgccgtg 180
gcgggtgccg ccggcgggga caccaggcag cggggcgggga tgccgctcct gcgaagccgg 240
gacggcatgc tgctggccta cgccccggcg ctgctcgccg ccgcccgcgtc cttcgcggtg 300
ccgggcgcgc tcgagggcgc gcgcgccgag ctgctcagcg ccgcgctcgc cgcgcacttc 360
ctcaagcgga tctctgaggt gctgtgcgtg caccgggtaca gcgggagcat gccgctgggc 420
acggcgggcca ccatctnctg cagctacctg gtcagca 457

<210> 25992
<211> 458
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-C3

<400> 25992

gatcgatcga tcaaaaatcc atcggcgggcg gccctaacc gcccggtccc gtgtcaatcg 60
tccgaattga atgacaacga caacaagcta ggacggcagc agcaatgccg gccccggcg 120

ctgttctatt ttgatcccag gccagcgat gcattggtac ggtaaccacc gactgctatt 180
 ggtacggtca ccaccaccac agcagcaaca gcatcgccct gtcgtcgtcg tccctgtccc 240
 tccccgctg cagcagcact agcagcatca cctactcctg ccacctgcag cagcagcggc 300
 atcgtcgcac catgggcggt caccagctgc acctgtcgtc cncgaccgag gtgctggggc 360
 acgtcacccc ggcgtgcgc gacctctacg ccgtggggcg caagctcggg caggggcagt 420
 tcggcaccac gtacctgtgc acggagcttg tccacggc 458

<210> 25993
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C4

<400> 25993
 gatcgaccgc tcgtacgggc acacgatgca tttgtaccca cggacgcgca cggctcgatt 60
 gggcggggttc aatgactcgg gcatctagcg cgtacgctcc aacatctgag agaggcacga 120
 cctctgcgag cagcaccaca tgagcctcag actcgtctga gcgtgcacta gcgactagta 180
 caacatgcga cacaccagcc tgcgttgagg caaggctcgc gggctgcca tgccacaggc 240
 cctacagcga ccgctagagc gttgaccgat agcacacggg gctgtacaca actaaaggaa 300
 agcgagaggg gactctttct cgcgactact tgtataacca ggcttgatg tcccctcctc 360
 gtttattctc tctctctctt ttttagttcg ctttcgaggg ataataaccc aactaaaaac 420
 acaaaagggc tcaagacttt atcatgcatg catg 454

<210> 25994
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C5

<400> 25994
 cactgatcca agacaaaaca tggctgtgaa tgtaagcacc atgtggtcgt cgatgcaggc 60
 acagggtggc atggctatgg cgttggcggt cttgggtgag ggcgcctggg gcggctcctc 120
 caagggtccc cctggcaaga acatcacagc cacctatggc aaggactggc tggacgctaa 180

agcgacatgg tatggcaagc cgacgggtgc cggccccgat gacaacggct gcggctgcgg 240
 gtacaaggac gtgaacaagc ccccccttaa tagcatgggc gcgtgcggca acatccccat 300
 cttcaaggat ggtctgggtt gtgggtcctg ctttgagatc aagtgcgata agcctgtgga 360
 gtgctccggc aagcccgtgg tgggtgcacat cacggacatg aactatgagc ctatcgcggc 420
 gtaccacttc gatttggc 438

<210> 25995
 <211> 351
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C6

<400> 25995

ctgactcgtg ggaaaaaaaa aaaataaaaa taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 agaaaaaaga aaaataataa taaataaaaa aattaactaa ctcatatt ctacttcata 120
 aattcttata taataaaacc tatataaaat taattaaata atctatatac aacattaata 180
 catattaaaa cattatcatt tcccaactcc ttttaatttc tatcacattt ccctttatac 240
 atcttgctca atttgtcaac atgttcttac ccattctatac ttctctatcag ttctctcaatt 300
 ctgaatggct attttttatt aaccctctaa ttttacatta attgcagcgg t 351

<210> 25996
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-045-Q1-K1-C7

<400> 25996

atccaagtga aggaaggggt gtacgaggag tacgtgacca tcaccaagac tatgaagaac 60
 gtgaccctct taggtgacgg ctccaagaag tccatcgtca ccggcaagaa gagcttcgcc 120
 gacgggatca cgactttcaa gacagcaacc ttactgccc aaggcgacgg gttcatggcg 180
 atcgggatgg ggtccagaa cacggccggc gcggagaagc accaggcggg tgcgctgctg 240
 gtgcagtcgg acaagtccat ctctctcaac tgcaagatgg acgggttcca ggacacgctg 300
 tacgcgcact ccaaggcgca gttctaccgc aactgcatca tctccggcac ggtggacttc 360

atcttcggcg acgcggcggc ggtgttccag aactgcatcc tgggtgctgcc gcngcccatg 420
gacaaccag 429

<210> 25997
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C8

<400> 25997

cccacgcgtc cgggcacacg atccaggtgt acccaaggtc gtggacggcg gtgatgatga 60
cgttcgacaa cgcgggcatg tggagcgtcc gctccaacat ctgggagagg cagtacctcg 120
gcgagcagct gtacgtgagc gtcattctcg cggagcggtc gtcaggagac gagtacaaca 180
tgccggagac cagcctccgc tgcggcaagg tcgtcggcct gccgatgcca ccgtcctacc 240
gcgccgtcta gagcgtcgac cgatcgcgca cgggtgctgta cacaactaaa ggagagcgag 300
aggggacttt ttctcgcgtt tccttctcta gccagccttg tctgtccctt cctcgtttat 360
tctctctctc tcttttttcg ttcgcttccg aagaataata cccaacaaa aaaaacaaag 420
gggctcaaga cttcatcatg catgcatgca taac 454

<210> 25998
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C9

<400> 25998

cacaactttc agatagatct acatctaact ttaccagcct gcacatgcy atttctactt 60
caggetcgta tctacgcttc caagacatct ccataactaa atccactaca tcaccttcac 120
aacctctctc actacaaatt cttcttgcta gacacatact actgctatct ctgacaccac 180
ctctattacc ataaagagac ctatcccatt aatcactaat gtcctatcat atgatatcaa 240
tgactgacag actttaatgt ccttgacaaa ctccaccttg atcgctatct ctacaaccac 300
gactactcca catactggct tcaattccta ccaggctctc aagactatgc tcacatacct 360
ttattat 367

<210> 25999
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D1

<400> 25999

cggacgcgtg ggtcttttct catctatttc cgcttcactc tgattactct taccttttca 60
ctctaaagac aaaagtggat ttcacacttt gaaatcctgt gcttaaagtg acctgtagga 120
ataggagacc tactcatagg aacaaaaaca aaactatttt tgtaggtata tatagggtact 180
tgaatgattg ttcttatgac acttgtctga tttgattctt tgattgagtg tgatggggtg 240
tggagtaatg tccacaatca catctgcata tacatataga aaaaaaacgg ttataaaaat 300
atctaaatga actagggttat ccctcatcaa agaatctagc ctagcaaaat ccatcttata 360
ttgaaaaggt ctatcctaca ttcatagatc catcttatcc taaaaaaaat agattctcat 420
cttatcttga aaagaattat cttatcctaa tagatctata tg 462

<210> 26000
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B5

<400> 26000

aaaaaaaaa aaaaacaaaa taaatataaa tattaataaaa aaaaataaaa aataaacaaa 60
agggataaat ataaacataa aaaaaacaaa atacaaataa aaaaaaaaat aaaaatctaa 120
atacaggcaa aacgggcttg ccgttttatg ggccccaacc ttcccttccc ttcttttggg 180
tctcatatct cttctctggg gtcccctaca ttacttctgt ttgccctgt ttacaccgc 240
gttgccctgg aaatccctgc ttttactcag tttatcccct ttccagattt tcctcttttg 300
gccatttggc aatttctcta tatggc 326

<210> 26001
<211> 336
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A10

<400> 26001

cacacgcgta cgcccacgcg tccgcccacg cgtccgggggt ccttcgggggc tttggcccct 60
gttgacaagg gtaatctgaa acttactaga acattcagatg tcattatggt cagattggta 120
tgtctcttgt aagtcaggct ggtgactgga ataaatcttg catacctgaa ctcaataggc 180
accgatgcgt atgtaaccct actacttggc atgtagaaaa ttaagacgat cgtgaagaag 240
agatctgtga acacgatctg gcacgatgag ctaactctga ccgtcataga tccaagacta 300
gctctgaagc tggagggtgt ctacaatgac acgttc 336

<210> 26002

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A11

<400> 26002

ccggtccggg attcgagggg cgcgtcacgc gagattttgt tccagccatt tacgatccaa 60
cggtaatagt tcctaaggat tcccttaagg caacagtgtc gcggatttgg aaagggcaat 120
catcagtgat acatgtccgc atgaaacgtc atgcaatgag tgagatgcca aaatcagatg 180
atgacgtttc aaaatggtgt aaagacattt ttgtggcaaa ggatgcctta ctggacaaac 240
atttggcaac aggcactttc gatgaggaga ttagacctat cggccgcca gtgaaatcat 300
tgctggtgac cctgttttgg tcgtgcctgc tgttgtttgg tgccatcgag ttcttcaagt 360
ggacgcagct cctatcgaca tggagaggag tggcattcac tgccgcaggg atggcgctcg 420
tgacaggggt catgcacgtc ttcacatgt tctcccaggc tgagcggctc agc 473

<210> 26003

<211> 286

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A12

<400> 26003

cccacgcgtc cgcccacgcg tccgattaag aattcattga aaaatgaatg caagcattca 60

ggggatggta ctgctcctaa tgctagggta gcattcaagg ttaatattat gtatgcaaca 120
 tccatcaatg agtgagacac ctgaatgaga tcatgacctt acatactgat gtacatgcat 180
 actcgaggca tatgatacct tactgctcaa acatttgaca actggcacta tctataagta 240
 gatatgacct atctctctat cacagaaatc attgattgtg accctg 286

<210> 26004
 <211> 383
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-045-Q1-K1-A2

<400> 26004

ccgaaccgca ggttcgaccc acacgtacgc tttcggctac gtcattctag tagtttagga 60
 tttcttttct gacacatcga ttctgaccaa tctctctggc ctgctgcttc ctgataatcg 120
 accagttccc cagtcttgct ccttgcactc ctccctccat ctccagcatt gtgttctgat 180
 tcacctgctc caatggctga tctttctgct gctgatgctt ccccggtctc agctatcggg 240
 tttgagggct atgagaagcg ccttgagatc acattctctg aggcacctgt ctttgtggac 300
 cctcatgggc gtggttggcg tgcctctccc agggcccaga ttgactctgn tctggatctt 360
 gcacggtgca caattgtgtc cga 383

<210> 26005
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A3

<400> 26005

ctatgcggat cgagcggagg agaagcttct ggtggtggtg gctctcgtcg tcaagcacga 60
 ggtgagagga gccggcggcg gaggtgaatg gcggtggagt accactgctg ctcggcggcc 120
 tttttcgagc acatcgtcat catcatcgtg ctctgtctct tcgcgggcct catgtcgggc 180
 ctcacctgg gctcatgtc cctcagcctc gtcgatctcg aggtcctcgc caagtccggc 240
 accgagcagg atcgcaagca cgcagctaag attttacctg ttgtgaagaa ccagcacctt 300

ctgctatgca ctcttctaata ctgcaatgcg gctgcaatgg aggcctttgcc catattcctt 360
gatagcttgg tgacagcttg ggggtgctatt ttaatatcag tgacactgat tct 413

<210> 26006
<211> 283
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-A4

<400> 26006

agagcgccg gtcaaggctg cctgcctatt ggttggacct ggacgaagga ggacgagagg 60
ctcgctcgtg gctggcggtt ggtacgtgcg cgcgcgatgg acaggggaac ggtggaggac 120
ctcatacggc ggttgctgga cgggaagaag cacatggcga cggggaagaa ggtgcagctg 180
accgagaccg agatccggca cctgtgcgtc accgccaagg agatcttctt ctcccagccc 240
aacctcctcg agctgggtggc ccncatcaac gtctgcggtg aca 283

<210> 26007
<211> 140
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A5

<400> 26007

gcgctattca aaggatggtt agtacaagag atattttctt cccctcttcc acagatacaa 60
gtccttcaac caaccaactt caaatcagga aaaggatgct gtcacctca tgctcagtgt 120
tcgtcaagca aatcttcttc 140

<210> 26008
<211> 297
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A6

<400> 26008

acgccaaggc tggctgccta ttgattggac ctgtaccatg gatgactaga ggctcgatat 60
tgggtcgggg aagctacgtg cacgcgctat ggacatggga acggtagagg acctaatact 120

gcagctgatg aacctaaga cacacattgc gacagaaaga aaggtacaga tgaccgatac 180
cgagatccag cacatctgca tcaccgcaa ggagatctta ctctgccagt acagccttct 240
agagctggtg gccccatca acgtctgcgg tgacatccac tggcagttct cggacct 297

<210> 26009
<211> 229
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A7

<400> 26009

atgcagctca cctaaaataa aaatctaaaa ttaaaaaaca actcaaataa caaaaggaaa 60
ggtaaaaatc aactcactaa caaatgcaaa taacaatgca aatcctacta cttcctccag 120
gccatcacac tagctcctct acttgattat cttgctcgtg cttacaccga tcctgctggt 180
catctctacc ctctacttca tgtctttctt cctccactat accatcttc 229

<210> 26010
<211> 383
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A8

<400> 26010

acccacgcgt cgcattcaa gcacctctc tcccccgcc gggcaacaac tcagccgccg 60
caaccgccac atcagccatg ggcgcctgag caaccaagcc caagacgctt gaggggcagg 120
ccccagctga ggccgcccgc tccacaccca aggttgccgc cgaggccact ccaatctccg 180
ttgaggttgc ggctgatgaa caggtagctg agaaggtggt ggtggaggag ccggctgcgg 240
cggccgacgt tgagcatcag aaggctaag aggtgctcgc tcagaggcg gccgtgcgcg 300
agcccgacca caaggaggag gaagccgtgg agaagaccgt cgtcgaggag gagaagccag 360
cggcagcagc ccatgcagag gaa 383

<210> 26011
<211> 451
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-A9

<400> 26011

gacgaaagaa gtcgcctaata tcttttcgatc aatttaggcc cttttttcgt ccaaggctcg 60
ggcttaattg gtaatctgaa cctaacagga ccatttaagt ggatcatggc cggatgggta 120
ggacttctgg aaagtccggg tgggtgagggg caatcaacct tgcctaccgc gacgcaggaa 180
gcagcgatcc gtatgtacgc ctacgacttg gcaagaagaa acttaagacg agcgtgaaga 240
agagatctgt gaaccccatc tggcacgagg agctaactct gaccgtcaca gatcccagcc 300
tagctctgaa gctggaggtg ttcgacaagg acacgttcag caggagacgac ccgatggggg 360
acgcggagat cgacgtggcg ccgctgggtg aggcggcgaa cgcgagcccg gatgcgagcc 420
tgaggaacgg cgccatcatt ctgtcngtgc g 451

<210> 26012
<211> 466
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-B1

<400> 26012

cgacctctcc tctctgctgt ctctctgtat ctgcaactgc aagcaaggaa attaattaag 60
agaagatcgg cgccatggcg gcaacgacga cgacggggat gcagatgatg caggtgcagc 120
aggcggcggc gttgctgctg tgcttggttg tgttggcggc gtctacgcgg gtcgcgctgg 180
gcaactgccg cgacgactgc atggctgcat gcaacggctg gaccatcgtc tgccagctct 240
cctgtgccag cgcgtgctac ggagaagtcg ggatcacaac cttaggtacg tcggctgtat 300
tagcgaaagc agaagcgctt gcatcagcac cacaagcagc acangagcga ggcgccgncg 360
ncggcggtgc cgcgctcaga gggttcaagc tatcatcacc gacgaccgt ggccgtggat 420
gannataata aggccccatg catncatgca tcatgcatgc atgcct 466

<210> 26013
<211> 245
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B10

<400> 26013

cccacgcgtc cgaaacattg ccatggccct ggactggaag ccccaacttt cccaagcctg 60
tggaagcgc catgtgcctc tacagaagcc accgcgtgat gaccagcttc atccggcagg 120
gtgggtacag tagctagcta tagccctagt ctgatgtaag aacaaattta tattatccat 180
cccatattgt ctttaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaag ataaaaaggg 240
tagac 245

<210> 26014

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B11

<400> 26014

ctcagcgcgc tcagggagtg ccagaagcag gacggcctgc tgcacaccac ctgcggaacc 60
cgggcgtacg tcgggccgaa gatcatcaac aggaagggct acgacggggc caaggccgac 120
atctggtcct ggggcgtcat cctcttcgtg ctctctgcgc gctacctccc gttccacgac 180
gccaacctgg tggagatgta ccgcaagatc agcagagccg acgtcaagta cccgcagtgg 240
ttctcccctg agctccggcg gttgatgcc aagctcctcg aaccgaacct aaacaacagg 300
atcacgatcg agaagctggc cgagcacccc tggttcaaga aggggtacag gccggccgctc 360
atgctggcac agccgcacgg ctccagcagc ctcaaggatg tccaggctgc cttcagcaac 420
gccgaccaca aggacagcag ca 442

<210> 26015

<211> 312

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B12

<400> 26015

tgggtgcctt gtctgctatt ttgacttatg cattatgagt gggatcaaga tgtttagcaa 60
gcgttaagtt gatgtcgcat ttacatgaag tgactgcag ctgaatattt atatattcaa 120

ttccatatcc atacactaca tatgatgcta agctaataaa aagtagatgt gtatgtatga 180
 gtgtcatatt gaagtttatg gtccaaaata tctttatagc ctactatata taatctctac 240
 aatacttttg tgaactacgg cagttgatac tcaatctcct cgaactcaac ctaaacaaca 300
 tgatcacgat ct 312

<210> 26016
 <211> 373
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B2

<400> 26016

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgccgcg gacgcgtggg 60
 cgggcaacgg cgtcgtcacc gccggtgaga agctaggcgt ggagcggatc gagctgccgc 120
 tgatctacat ctgctgtcg cggaaggaga aggaagacga tttccttgcg atgaagggca 180
 ccaagctgcc ccagcggctc catgaaaagg gctaagaacg tggaccagac cctgcaatct 240
 gtcttgccgg agatgtggct gtccgatttg acgaggggac ggtacgaggt gcgggagaag 300
 atatgctgta cgaagacgcg aagagggctg aaagggatgg agagcattga cagcgactcg 360
 gagcctatag atg 373

<210> 26017
 <211> 182
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A1

<400> 26017

cccacgcgtc cgctccggcc ggcgacgcg gggaaaatgg ggaagacgcc ggtgcggatg 60
 aaggcgggtg tgtacgcgt gtcgcccttc cagcagaaag tgatgccggg gctggggaaa 120
 gacattaaca acaagaacca acacaagggc accgagaact ggatcttcgg cacgcttctt 180
 ct 182

<210> 26018
 <211> 408

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-045-Q1-K1-B3

 <400> 26018

 attgttcaac gctggtaggt ccattctcatc acggaccatg ggctcttcca tccagggcac 60
 caaggcccag ccattcccat ctgcagcctc aaaacctaca ctggcaaagg agaaatccga 120
 caaggtcagc accaccttgc agcggcctcc agtgcttgct gtgccggcag ctaaggcatc 180
 gccatccacc ttgccgagga gtaagccatc tccaaggcct agttctgaca gttgcaaagc 240
 ggcagcatca ctgaaaccta gcagtcagag ggtcatgttg ccagggtgctg ctcaaggaga 300
 caaagttcag ccaactgtcta ccgcacagtc acctgggtgca gctgcaagga agagattgga 360
 tactgttaat ggtgctacta ccaactcaaa agctaaaagt gtttctca 408

<210> 26019
 <211> 273
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-045-Q1-K1-B4

 <400> 26019

 cccacgcgtc cgagaaagtt gacgatgcta atccttttaa agtcaaaagt tactttttgt 60
 tgtatacttc acctttccgt acaagctgtc gatgatgcaa gaagttacac aggcgaatgg 120
 aattgcctgg gcttgctttt acacttggtga aaatcgtgta ttttattttc ctgctctcgt 180
 ctgagggttag tgtaataatt caacgtttgg agtttcttgt tttaactgta ttttacatga 240
 aataccacct caaaatcctg ttgtggaatc agc 273

<210> 26020
 <211> 335
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-G12

 <400> 26020

 cccacgcgtc cgccacgcg tccgaggacg cgtgggcgtc tccttctccc tcttggtccc 60
 agcagcagcg gcagctgtcg gagcagcaca gttgcagcgt ccttcagggg aggaagaaag 120

gggacgacgg caccagttta aaccaacaat ctctcgatcat atatatcata atagagagta 180
ggacgacaaa agccatgggc agtaatggca gagatcatag gcgcggagtc ccacgcccgc 240
cacctttacc actttacagg gattgggagg aggaagaggt cgtcaaggct ggtagacgtc 300
ggcagtcgcc gttggcgag tcgtcaacgt cgccc 335

<210> 26021
<211> 66
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-G2
<400> 26021

cccacgcgtc cgcgacgagc tgggcaaaag gttaaata catgccattt ttggaggcat 60
gttttt 66

<210> 26022
<211> 383
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-G3
<400> 26022

attcttcttc tattctattc tttcacccca gaccaccgct ttcctctacg agtacgtgc 60
taaaggaagc atcctcgaca tcctgtgtag ccaggaggat ttcccgttg atctacgcat 120
gaggatcgcg atcaagaccg cggaagcggt gcagtagctg cattcgctcg aaactgggag 180
tcaccggaca cggcagcgtc tcggcggtcca ccatactcct cgacaacaac ctcgtagcga 240
agctcaccga gttctcgagg tcatgtacgc tgttcaagaa gagcgagact acttctgttg 300
ttggtgctgg agtgatgatc actggcagcc ttctagagaa agctctgaac gacgaccgt 360
cccgctacgg ctcggtgttg atg 383

<210> 26023
<211> 277
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-G4

<400> 26023

cccacgcgtc cggatgcatga catcttggtg agtcgatgga caaaaagcaa cacgcccttg 60
cactgcttgg cacacttact aaattcaaag tattacactg atgcatggat caatgaggtc 120
ctcaaccgac aggctcctca taatgatgag gaaatttcag agatgagaaa tacttgtttc 180
aagaggggtat tttctggtgc agaattaaag aagattaagt tgcagtatgc taatttctct 240
ttgtttggac ctggattcaa ttcatttgac ttacttg 277

<210> 26024

<211> 104

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G5

<400> 26024

cggactcgtg ggcggacgcg tggcgggact catgggtgaa tgacatgctc gcatgtgatg 60
caggtttact attaataac tatgcattca tatattccca cttt 104

<210> 26025

<211> 232

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G6

<400> 26025

gatggggcca atccattggg ccgctggagc cactgcccgc gttgttctac aagagttagg 60
tattctcgcg gttgacacag aaaggataaa attgcaagtt gtgtctcagt ttggcactcg 120
aagggagctt gtgtgggtgt tgttgttttt tttttgtcat ggcagcgtcg tctctaactc 180
taaaggatac cgcagtttct ccaggtatct ctgttaatag cgttatgtac ct 232

<210> 26026

<211> 208

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G7

<400> 26026

gttgaacatc tatgcatgca tggacgacgt cacttgcaac gctgttccca tatagtacta 60
 ctgggtctgct atgaatatct atgcatgcat ggtaacgggt tgtgttattt aattattatt 120
 attacgtaga cactactatt taaaattcat gtgttcgcgt caagtcgttc tgtaatcttg 180
 tgatggaata tatatgatat ttcctttt 208

<210> 26027
 <211> 402
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-G8
 <400> 26027

ttccacgacg ccaacctggg ggagatgtac cgcaagatca gcagagccga cgtcaagtag 60
 ccgcagtggg tctccctga gctccggcgg ttgatgccca agctcctcga accgaacca 120
 aacaacagga tcacgatcga gaagctgggc gagcaccct ggttcaagaa ggggtacagg 180
 ccggccgtca tgctggcaca gccgcacggc tccagcagcc tcaaagatgt ccaggtncgc 240
 ttcagcaacg ccgaccacaa ggacagcacc accaaggtgg aacagccggc ggacagctcc 300
 ttgaagccgg cgagcctgaa cgcgttcgac atcatctccc actccagagg gttcgacctg 360
 tcaagcctgt tcgaggtgga ccaagagcag aaggccagca ac 402

<210> 26028
 <211> 438
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-G9
 <400> 26028

gtagatttca gtctactgct gtactatata ctaagaggac caacacttga gaaaagacct 60
 gggaactggg aagcagtcac tagccatcaa ttttgacaga gtagatccag caccatctgt 120
 tcattgaact tgtgagctcg atggatgggt ttttctgcag ttagcggggg ttagttaagt 180
 tcgaaggata atgcagtaga caacgttggt cacgtgtggt ggtgaggttc caagtaagag 240
 agagcatcac actcacgtaa caggaatgat cattgatgga ttgaggcgcc ttaattgaaa 300

ttggtgcctt ccacctcatg gatgcaggtt aattcttttc ttcgttgatt ttttgacccc 360
 ttttgcttgg tcttctgcc aataaggaca tccacaggtt aaaattcaaa ttctttgctc 420
 taagttgttg cacattga 438

<210> 26029
 <211> 459
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-H10
 <400> 26029

cccacgcgtc cgctgaagct gaacagccaa aggacactaa gaccagtgtc tcattccttg 60
 ggtcggctga tgatggtaac acattcttgc attcctcagt ctacatgcca agtgctccac 120
 cagtacttga tgaagaagcc ttaaattaca acatttatag ggctgtactg gaagcagagc 180
 caccagaatg gcttcctgac agttatgcta gtgcgtgtat gcagtgcgct gctcttttta 240
 ctgcccttac acgtggaagg catcattgtc gattctgtgg agggatattt tgcagggcat 300
 gctcaaaggg acgatcgctg ttgcctgccaa agttccgtga gcggaatccg caaagagtct 360
 gtgatgcttg ttatgatagg cttgatccat tgcagaactt attgattaat tctgtcagca 420
 atgcctcaca aactgcaaag catgatgtca tggattgga 459

<210> 26030
 <211> 206
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-H11
 <400> 26030

cgaatcccca gaccaaactg ccgtttccgt cgccgtcgca tcgcagcagc tggagtccca 60
 ggggtcccgta ccgaatccat ttgcagacac tcatggccaa gatccatcgc tcgttccaac 120
 cagccttatt cttcttgtgc ttggctcgtct gatctcgttt tccattcgtg tccaatccga 180
 tccatccaac cgctgtgaat gatgac 206

<210> 26031
 <211> 370
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H12

<400> 26031

```

gtcacgcgtg agctgctacg gcgacagaga gccgcttcgg agcaagcagc aatggacgcg   60
aagcagaggg aaagttcggg tggcatgtgg ggttggctcg ctggaagccc gacaccagca  120
gtttagtcc  gtgattcata tattttactt gtaacattat atatcatttg actgacaccc  180
tctacaatuu ttttatttgg ttacttacgg cattcgtggt cattttggac ccacaaagaa  240
taaggtgttc tagcgatcgt tatactcaca attactcaaa atgtattctt taggttttagc  300
aagggggtgc tcatgttagt cgatgtgctg gttatccttt tgacgctgtg ctggtttggc  360
tgtccaaaaa                                     370

```

<210> 26032

<211> 141

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H2

<400> 26032

```

gcgcccacgc gtccgcccac gcgtccggga aagagttaca tagttgcaac caaaggcgca   60
cacgaagctg gttaaggaaa tatccaaatc tcggaagact aaccaaaccg tggaaactta  120
cactgtacat gtcgttacgc t                                     141

```

<210> 26033

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H3

<400> 26033

```

cccacgcgtc cgattgggtc ttcatttaat tgggattcaa acaaggactt aggggctaac   60
aatttaattc caattgaaat tgctctcaaa attgcaaata agattaaggc aatgaaagg  120
ttttctgcat acatagtggg acctatgtgg cctgagggtg atccaactgg ggctgcaaca  180
caacgaattc tttactggca gaataaaacc atgcaaata tgtacgagac aatatacagg  240

```

accttgaaag aagaaggcct ggatgatatg tatgagcctc aggattatct aaactttcttc 300
 tgtcttggca accgtgaagt tgctgacagc actagcactt caaacgcttc gaatacagca 360
 aataatcc 368

<210> 26034
 <211> 303
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-H4
 <400> 26034

cccacgcgtc cgcccacgcg tccgctctct ctctctcttt catttctata gccagcaggt 60
 ggcaggcagg caaccggccg gtatattagt agatcttcga tcgttcatcc aagctaataa 120
 gtcagtaagc agcagtaggt cgaaaatggc gatgaggctg ctagcgctac tggtcctcct 180
 cagcctgctg gttgttggtg tggcgcaggc ggtggagttg gagatggagt tggcgcctgc 240
 tgatgcaatt gcgatgacta tggatcatga gccgcgcgag gagtgcgcga ccccggtgag 300
 cgt 303

<210> 26035
 <211> 466
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-H5
 <400> 26035

ccacctccca gatctcatct gcgacgacct cctccctccc gatcccgctc cgtgtccccg 60
 caccgccacc gctgccgctg ccgctctccc caccgaggtc ttgtcttcgg cgatccagcc 120
 ggagcccgcg gcggcgacga tgtacgggtg ggagatgctg tcgttcaaca tacacgatgg 180
 gttcctggag gccatcgtgc ggggcaaccg ctcgggcctc ctcaccgccg ccgactacaa 240
 caacctctgc cagtgcgaga cccttgacga catcaagatg cacctcaccg tcaccgagta 300
 cgggccctac ctncagaacg aaccttcacc cttgcacaca acgacaattg tggagaagtg 360
 cactcttaaa ctagtcgatg agtacaagca catgctgtgc caggccactg aaccactatc 420
 tacgtttttg caggatataa cttatggcca catgattgac aatggt 466

<210> 26036
<211> 356
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G11

<400> 26036

gtcacgcgtc ccgtacggag gatcttgagt ctgtgaatcc gatcataaca acgcggttac 60
gtcgctattg cgccggctca ccatcgagat ccttctacta gctaattcac taccaataac 120
tgctttcaat gcaagttcct accacacatg aagaatctca tgctctgata tcacactcac 180
acaactagat ggagctacta ggttatcat atgtgtcgaa ccacgggcac taggattcag 240
acctattgta tcttattgag ccctttatgg cacatgcagc atcctgcatg actaatcatc 300
tgtaccactt tgctacacaa tcttgtggac ttacagggc tactccacat tgcatt 356

<210> 26037
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H6

<400> 26037

cccacgcgtc cgcgagcgcg tgggcttgaa atgaatgaac catgcatgca tgcattgatg 60
catgcgccgg ggtgacgtgg cgctcagctc aggcgctgag cgagtctata cgtacgtcgt 120
caccggctgg ccacgcatgc gataaccatc tgatatggac ggaactatat attgtattcc 180
tattaatctg gcatttttcta agctaattgt tttttttcca aatataccgt cgatggaaact 240
ccaaatgtaa tgtcacgcaa atgtgtgttt ttcacgatt gaatggataa taataaaaaa 300
ggcatgctgg caggtactac t 321

<210> 26038
<211> 355
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H7

<400> 26038

cggacgcgtg ggcaaacaac tagaaattcc ccagcccggg tctttgctg cggttgatct 60
 cgtcggaggc ccggccgcgg ttccccaatc cgccatcgaa ttcgatggcg gccaacgccg 120
 ggaataagat ccgcaacgcc aagctggttc ttcttgagga tgtgggctgt ggcaaatcta 180
 gcttggttct tcggtttggt aaggacagc ttgttgaatt ccaggaatca acaattggag 240
 cagccttctt ttcccagacc ttagcgttca atgatgagac tgttaagttc gaaatctggg 300
 atactgccgg gcaggagagg tatcatagct tggctcccat gtactatagg ggtgc 355

<210> 26039

<211> 299

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-044-Q1-K1-H8

<400> 26039

cgcacgaacc gacgcactag accgaccgc gaatcccccg cgcgcgcgcc gtgcggtcac 60
 gcgtccgagg ccacggcacc gccggcccc gccccgcgcc cggccgcaa gagcaaaggc 120
 aaggccgacg cttcctcttc gtcgtctctc tctccactc caccgaggtt gcgccgcgcg 180
 cttgccgtcg tgatggcgc gtcgtgctc gtgctgcgcg tggcggttctt ggttggtctt 240
 ggctccggng ggatcgatgg aggcgcagcg gctcccgtcg aggtggaggg caccgaggt 299

<210> 26040

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H9

<400> 26040

gtcgcgcgtc taggttact ctctcactat agcgcgcgt ctgtgcctt tcgtgtacct 60
 gttcttctc ttctcactgc ctgccactga gagcgtaagt caaaggcacg aagtggctca 120
 gagcatagc cctgagagac cattgtaact aggcctgtcg gcaggatagt agccgtcgac 180
 taatccctac aaggaacaga tggagaagaa ggcgcacatc ctgatgaaca ggtacaagct 240
 tgggcgcacg ctcatgcaag gcacctatat caaggggtac cacagacgga acctggcttt 300

cagagagagc gcgtgcatga aggccatcga caaggagaag gtgatgcgcg atggcatgat 360
cgaccagatc aagcgcgaga tctacgtgat gcgccgtgta cggcacccca acgtga 416

<210> 26041
<211> 369
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E7

<400> 26041

gatgatttcg aggttgcaac taattgctcg ttagagctgg actgcgtgag gccatctagt 60
gccccaaaag cttcaggttt atcaaattgga gggggcacag ctgtaaaaaa gatccaagtc 120
aagggttcaa aagggttcaga cgttagggga gtgaatcctg gaaaaaggtc atcgccatta 180
cagaagaagc cgagtggacc ctcaccgacg ctaatcaaga agggcggagg tgaaggaagg 240
aagactccaa atggtaaaac aggaaccaag aagtaagcaa cccagatgaa acttggtttt 300
gctgtgacca acttcacctt ggtagggac agattaacat gttgatacta tcgggtgata 360
cattgatat 369

<210> 26042
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E8

<400> 26042

ggcgacaact tcacgggtccc gggggaggct tcccttgcca cgtccggcaa gtcgggtcaag 60
gccctgtgcg cgcccaccct atacaaggag tcgtgcgaga agacactgtc ccaggccacc 120
aatggcaccg agaaccccaa ggaggtgttc cacagcgtgg ccaaggtggc gctggagtcg 180
gtccagacgg cggtcgagca gtccaagtcg atcggcgagg ccaaggccag cgactccatg 240
accgagagcg cgcgcgagga ctgcaagaag ctctggagg acgccggcga cgacctgagg 300
ggcatgctcg agatggccgg cggcgacatc aaagtgtgtt tcagccggtc cgacgacctc 360
gagacctggc tcacgggcgt catgacg 387

<210> 26043

<211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-E9

 <400> 26043

 cccacgcgtc cggattcctg gcaggtacct ggtggtggca ctgctgcacc tcccatgcta 60
 cggcctgttc gccctggtgc tgaggctcaa gcatatgttg ctggaaagct ggttccctca 120
 aacttatgcy aagtaatcaa ggacgacaat agatggagtt ggttgtctct atacgcttcc 180
 ttcagcaaaa aaattaagcy gaggttctgc aaactgtatg caccacggaa tcacattgaa 240
 atagatcaca cttgtctgtc gacgggtttc tccggaagtg gacatgtaga ttgacagagc 300
 atgttccaaa aattttgaga ccagcagctt atttaaata gctgttgtct ccagcatcat 360
 accccctttt ttaccacca atggagatat cagacatgtg tacagtccgc taatatattc 420
 aatcatttcc agcag 435

<210> 26044
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-F1

 <400> 26044

 ccgtctcgtc tcgtggtcac ttanncacca ttggcaaggg agaattgggt tgacctggtg 60
 ccttgactcg catcanggag agcttggcga gataattgca cctggtgctc cagnnggctt 120
 cctcnngtct tcaacgcntt gttggtggag ggaacccggg ctctgggact tgggtgtctct 180
 tctcctgga gccgcctagt ctgttgaccc tatggcaaga agtccaagct ttcggtttca 240
 ccgtgtaccc ccatccccc agtggttcca acatccgtgg ttggagccca taccacaacag 300
 tgtcctgtcc acccaattct ctctctcgag cacacntgat gnttgctgtc cttgctcgac 360
 naatgaggcc atctatgacn atctgtccgc cgcttccctt gaca 404

<210> 26045
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-F11

<400> 26045

cccacgcgtc cgccccacgcg tccgggagta cgtcaccaag gtgaacgata tcatcgggtgc 60
cggcaagtcg taccgcacgc tgagcgacat cctcgacaag gacatccaga acgactgcgt 120
gaagaagcag ggaagccact cccggaacct gcgcagggtc cgtctcggcc tcggcctcat 180
caaggccctc ttcgagcaat tcctcgccac cgagggttca ttgtatgatg ctgctacgac 240
agcttacggg caggtgtgcg cgccgtttca tagctgggcg atcaggaagg ctggtggcgc 300
tggcatgtac acccttccaa ccaggagca gttggtagtg cggctgaacg aaactgatct 360
ctcgggtgcag aagcagatga ggagatacat tgacgcttct agtcctatca tagagtacat 420
cgataacctt ttctctcga ggaacattaa tctaga 456

<210> 26046

<211> 127

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-F12

<400> 26046

cccacgcgtc cgcattgttg gttcttgtct ctttttgtca tgaaaagaac gatgagctct 60
atgattctca tcagctgata aatgtaatgt ctgaatttct gtcggtgaca aattaatgat 120
cccattc 127

<210> 26047

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-F2

<400> 26047

cccacgcgtc cggcagccgc cgcacccgtc accttcacac cgcgtgcgtg ctctctctcg 60
ccctcccgc tctccgtgcg acgactgggt gggctaccgc cgccctacgc aagggtgccga 120
gaacttcgcc gatattctgcg ccggagaaga gcgcccacca gatcaggcgc ttagaaggcg 180
cgctggcccg tggatgacga tggcgggtgg cgggggactg aaccggtctt catcgagggg 240

gcagctgccg ccgcaagagc tgcttgacga tctctgcagc cggttccttc tgaatgtgcc 300
 caaagaggag ctggagtcgt tcgagcggat cctgttcctg ctggagcaag cgcactgggtt 360
 ctatgaagac aacttcgttg agcacaac 388

<210> 26048
 <211> 376
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-F3
 <400> 26048

cacacattca tactgttgct tggattatgc tcaggacctg tggcacaggc actggatgac 60
 agggcttggg tgagagacat ctccaccact ctctctctac aaggaatata ttaatacctc 120
 atgctttggg atatcatgga agggttggtg ctttctcaag aagaagatca tcatatttgg 180
 agacacgagg cttcggaag gttttcttct aaatcctgtt acaagtcatt cttcagagga 240
 tccatcactt ttgaaccttg gaggagggcg tggaaatctg ggcacctctg aaatgcaaag 300
 tattcttatg gttggccatt aagaataagt gttggactgc ggataggctg gagcggcgtg 360
 ggatgttcac ccgaca 376

<210> 26049
 <211> 288
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-F4
 <400> 26049

tgacgcacca tgtcatcaac aggagtctgc gccagaatcg cagctgagga ggaggaactg 60
 ccacgggcca gctgatgcaa attagcgctt ggctggattg gcagaactca tgctcaatta 120
 agtgctgtgt ccattttagc atttcaccta tccttgctgt ttaccacaac tgacttccat 180
 attcgggtac ccctgtttcc tgtgacctta catatatagg acataatggt gcgaagtctc 240
 gcaatatgta atggacataa gtggcgtggt catatatatt tgctggag 288

<210> 26050
 <211> 359

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-F5

 <400> 26050

 actacacgga gctggcgga ctggtggaga aggcgtgct cctgcagacg ctggaggacg 60
 ccgtcgggaa gcacaacgtc accatcttcg cgccgcggaa cgaggcgctg gagcgggacc 120
 tggacccgga gttcaagcgc ttctgctgg agccgcgcaa cctcaggctg ctgcaggcgc 180
 tgctgtctta ccacgtctc cctcgcgcc tgccctccga ctctggccc gcggcgtccc 240
 accccacgct gtccggcgag gaggtcgagc tcgccccgc cgccggcgcc ggcatgcgcg 300
 tcggccacgc cgnctcacg cgcccgacg ccgtgctcaa gcccgacggg gtcattcac 359

<210> 26051
 <211> 399
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-F6

 <400> 26051

 cccacgcgtc cgccacgcg tccgcaaact ttcgtgagtt catgaactat ctgaagaaca 60
 ggaacgtgga tcttaciaat gtcaagctga gcctgtcaga aggtgaggag gacgagtggg 120
 tcaggcacag ggccagtagc ctctcccagc ttaacaacac ggagagcagc cccccacga 180
 gtgcagaaga ctccaagtcc cactcccacc ccgctggcgc tgctgacaaa ggcaatggca 240
 ctacaccagg cagccacca tccacgagcc atgataaaac aacgaccagc gcagcgacag 300
 caggcacgcc ggccatgaag aggtcctcgt cgggcagcaa gctgcagcgc aagaggcctn 360
 cacggctggc agtgagcaag agccggctgg gcaagggca 399

<210> 26052
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-F7

 <400> 26052

atatcgcata gtttttcgag atgccaagac atgatgcact taaagctctt gaaatctaca 60
 gaagggctgg ccaacaggtg actccagagt tcacaagagg atgatacatta aagtatccga 120
 gactctaaaa ggtcaagaca ctatgaacat gtactcttat ttaggttatt cgacacattt 180
 caggctggga atctatctga tttctacgag aattgccggg gattagaact tgctaggaat 240
 tttcagattc cactctgag ggaggagagg gcttgctactc tgactagtct tcgctatgtg 300
 cactggatta tgatatgaca tcttttacat gagaaaattc tcagccacca caaacatttc 360
 ttgctactat ggaggactat gttaatgaag cttcacgcat ggtccctggt cgagaacccc 420
 tgatcatcgt atgagtactg gaa 443

<210> 26053
 <211> 331
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-F8
 <400> 26053

gtgaaagctt agcgggttcgg gatctatcca atctggtaaa accggacgat atgatcaccg 60
 cgtaacatct tgtgacactt cttgcaatcg atcccaagta ctcccaaac gactggctgt 120
 aaagctatga gacacttgat acatttgtgg tacctatgtc atctaaaaag ctctatgaag 180
 acaacgaata tgctctctac actgtgacac tatgcgctaa ggttgctgac aactttaagg 240
 tccgtgctcg cgagaagggt actcagatcc gtgatttcta gtccaggcct gaatcacaag 300
 aaagccggat gcaggagatg gagaagctac t 331

<210> 26054
 <211> 452
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-F9
 <400> 26054

cccacgcgtc cgaacaatcc ttgcacccct cccctccgtc accccaccac atccggccag 60
 cgcaacgaaa atgtcgcgcg ccacagctgc ggtcctcttc tacatcctcg ccgtcgtgc 120

cctcagcgcg gccgaggcac cggcagagtc accgaaggca ggcagtcctg ccaaggcacc 180
ggccgagtca ccgaaggcag gcagtcctgc agctcctgcc aaggcaccgc agtctgctgc 240
cacgagaact gccccgcta aggcacctca agccgcctcc acccccgccg ctgccgctgc 300
cccatcgctg tcgtcgtcta ggaagtctgg tccagctgcc gcgccgacca ccgccgcctc 360
tacaccgtct tcttcacgg acgaggagtt gagcccttcg ccgtcggcat ccaccgncga 420
ggtggcgctc cctgccgctg atgggcctgc tg 452

<210> 26055
<211> 346
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-G1

<400> 26055
ctgccatcct ctccaacacg aagatggcgt tcatcagcaa tgtcgcagtg aaggcggcgg 60
gcgtggccgc gctgctgctg gtcgcagcgg tgtgcctgc cgcgcgcgcg gcggcggtgg 120
cgggtggcggg aggggcgcgg tcggtgccgg cgggtccgct ggacatcgcg cagctgggcg 180
ccaagggcga cggcaagtcg gacagcaccg cgatgatcct caaggcgtgg aagaacgcgt 240
gcgagggcga ggggggtacag aagatcgta tcccgcggg caactacctg acgggcgggc 300
tggaactgaa gggcccctgc aagtcctcca tcatcatccg tctcga 346

<210> 26056
<211> 467
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-G10

<400> 26056
cccacgcgtc cgggacggag gagggggaga cggggaaacc gatctcaacy aggcctcttac 60
gtcgcaggtg cgccgccttg ccatggagat cgggcaactt gctaattcac gaccaataac 120
tggtctcaat ggaggttctg gacaatcagg agtatcaggc ctgatagtac ctgcagcaac 180
tggtggagca ctaggttatg gttatatgtg gtggaaaggg atctcgttct cagacctaat 240
gtatgtcacc aagcgcaaca tggcaaatgc tggttcaagc atgactaaac atttgagca 300

agtgcaaagt tctcttgctg ctgctaaaaag gcatttgaca cagcgcattg aaaagttgga 360
cgataaattg gatcagcaga aggctctatc tggacaaata agagatgatg tctactgatgc 420
acgtctgaag cttgagaata tnggttcaga aatcaagaac atcaaag 467

<210> 26057
<211> 420
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-E6
<400> 26057

gtctcgggtct cgcaggggca gggctgggag gtcgacggag gccaatctc caacttcctg 60
gctccgtoga tcatccagca ccagcaggag aatcccgtcg aatccccctc tcaaccaagg 120
gcgcgcgcgc gtgcgtatgc ctntccaga tccaaagcaa cagacagcga gggggcaccg 180
gggtccgcgc catgtttgag atttatggag gatcatgctt tcttgcttac tacattagct 240
cctgacgcgc cgacctcccc tcgcgttcat tgatttctgt tataattact accgagctac 300
tatctccaca ttattattgg taaagaaaga aaggggcgct nctctaattt gatgggcatt 360
ccgtttcctt ctcaacttca acgccaacaa cagttgatgc tactatgggt ggaaatcggg 420

<210> 26058
<211> 320
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-D11
<400> 26058

tgcacagccg gcattcaata tgtacctgcc gtcgggcgcc ggccggtagc aatggacccg 60
ggtagccagc ggttggtgac gacgtacatg cgcgggcgcg ccggccggaa agctagcagc 120
agtggcgcac aagaatgacg agctaggagg aaggaaggag acgcgccact gggcaagtac 180
atatacaaag tgaccgacga gcgtacagtg gtatccgtga atcatgtact agcatagaca 240
tagcatttga acagcatgag gtgtacatac cccctagtt cgttcagaag aatgctgggtg 300
actgtaactc ctgtttctgc 320

<210> 26059
 <211> 331
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-D12

 <400> 26059

 cccacgcgctc cggttctaga tcgcgagcgg gccctttttt tttttttttt ttttgttttg 60
 gttttttttt ttcagcctta ggtactcact agcgtttcct tctcattata cccttattcg 120
 ttctcataca gatctcctgg acgaagaaac atacaaaagc tacatcaaaa tcaaacggct 180
 attttgttct ccttttgctc attaggaggg ctctccagtt ggctgtccgt gtccggttgg 240
 gagggccccg gcgcactggg gtgggcggct gccgcctgg ccgggcagcc gtaagcgccg 300
 agcggcgtgc cggcatctcc gttgcggtgt g 331

<210> 26060
 <211> 328
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-D2

 <400> 26060

 ggccgcgcgg gccgacggat gctggcgctg cggggtgtac ccggcgaggc catcgagccg 60
 gcgcctgtg gcgtcgctga tctccctcgc gcggacatcg cggctccgcg ccgtgacgga 120
 cgcgctcccg gcgctccgtg gcgcggcgcg cgaggctgcc ggatcgtcgg cttggcctcg 180
 gctcctaacg gatcggccgg agcttccggg ccgataagcg ggcggtggc ctctcgagct 240
 acacgtgcgc taaaagctg ggctctgctc gcgactgcc cggaaggggc gcgcctgtgg 300
 tgctcatgaa cccgagctgg cggcttcg 328

<210> 26061
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-D3

 <400> 26061

cccacgcgtc cgccgcttca gctcccatc tccgccaat aaacccccga aaagcaggag 60
 aggcgagacc cggaagtgga aggctagggt taggggtcca gctccccgtt gcctggggcga 120
 gccgagtgat ggccgcccct gccccctccg gcgcagctag tgccgcccgc tcaccgtccc 180
 cgctgatgca gctgccgtcg cegttcgcg agctcgtaa gggccccctcc ggctcgaga 240
 aggtcgtgct tcgcgggcgt cgcaactgct gtgccgagat ttatctttat ggaggtcaag 300
 taacatcatg gaagaatgac aatggggaag acttgctttt cctcagcagc aaggctattt 360

<210> 26062
 <211> 303
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D4

<400> 26062

cggacgcgtg ggcaagggaa ggtcgaggca cgagagcgct agcggcggag ctagcgagca 60
 cccggcgctcg ggcgacggtg gcgccatggg tggttggtac tccgccattg cggccaccag 120
 gctgaagatg ctgcgcccg gatgccgggg tgccgctgcc gtcctccccg tcgccagcca 180
 cgacagcgtc accggcaagg agaggaagag gaagtgcagg aagcacgcct ctatcctggg 240
 cgactccggc accgtcgacc cggacttctc gcggcggtac cggctcggcg cggagcttgg 300
 gcg 303

<210> 26063
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D5

<400> 26063

cccacgcgtc cgggagctca agatgatgag cttgatgaag aagactttaa ggaggaacag 60
 aactctgtag cgcgtctcat tcacatgctg cacaatgatg atcctgaaga gatgctgaag 120
 atcttatgta ctgtacagaa gcatatactt cagggaggcc tcaagcgtct aactttcact 180
 gtgccttcgt tagtattctc ttctcttaag ctggtcaggc gattacaagg ccaagatgga 240
 gatgtcactg gggaggatgt tcctgcaact ccaaagaaaa tattccagat attgcatcag 300

actattgaag cactttcttg tgttccttcc ccagagttag ctctgagact atatttgcag 360
 tgtgcagagg ctgccaatga ctgtgatttg gaaccagttg cttatgagtt ctttactcaa 420
 gcgttcattt tatatg 436

<210> 26064
 <211> 315
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D6

<400> 26064

cccacgcgtc cgttgtacgc caagaaggac tacaagaccc cctcatggaa gaggtatttg 60
 cagatctcgc ggcgggttctt cttggagggg gtcttgtacg ccaagaagga ctacaacctg 120
 gccaaacacc ccaagcttga tgtgccaac ttggaggtga ttaagctcat gcagagcttc 180
 aagtcgaagg agtatgtgag ggaaaccttc tcatggcagt actactactg gtacctcacc 240
 aacgatggca ttgagcacct tcgcagcttc ctcaacctgc catcagaggg tgtgcctaata 300
 acctcaaga agtct 315

<210> 26065
 <211> 136
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D7

<400> 26065

attgtatgca tgttctcctc tcacatatgt tgttggtgtg ctgtatatat aattaatttg 60
 ttaacttttt ttcaggcaca tatgtatgtt gagatcaata cactagtaga aaaaggctca 120
 aaacgcgttg tgcgat 136

<210> 26066
 <211> 345
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D8

<400> 26066

cggacgcgtg ggccggcgac tacctgctgg tggcgctccac ccggttcac aaggagaaga 60
 gcagcaccac ggccgtgac cgctacaagg gctccagcgc cccgccgcc gccaaagtgc 120
 cggagggccc cagcgggtgg gcgtggtcca tcaaccagtg caggtccttc cgctggaacc 180
 tgacggccag cgcggcgcg ccgaacccgc aggggtcgta ccactacggc cagatcaaca 240
 tcacccgcac catcaagctc gccatgggcc gcggcaaggt cgacggcaag gagaggttcg 300
 cttcaacgg cgtgtcgcac gtggaccgg aaacccccgt caagc 345

<210> 26067

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D9

<400> 26067

cccacgcgtc cgcaaagaaa caagcgaca agatcaaata cctcgccgcc aacaatggcc 60
 tccaggtcct ccatactgct cgccatggtg atgctggctg cgctattcgt tgttggtttg 120
 tgcaccaccc ccctcacctt ccaggtcggc aagggatcca agcctggcca cctgacctc 180
 accccaatg ttgccaccat atccgacgtg gagatcaaag agcacggtgg cgatgacttc 240
 tcctttacgc tcaaggaggg cccgactggc acctggacgc tcgacaccaa ggccccgctc 300
 aagtaccccc tttgcatcgg ctttgcgtgc aagtccggcg gctaccgcat cgccgacgac 360
 gtcacccctg ccgatttcaa ggccgacacc acctataaga ccacactcag catctaata 420
 atctctggtg atgaattaga tttcaaaaga gtcacatag cg 462

<210> 26068

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E1

<400> 26068

cccacgcgtc cggaaggcgt ctgcgcgtc gcttcgtttc cgccttcccc ctcccgaag 60
 tcgccgccgg ctgcattcg tggttccgcg tgggggggtcc gtggaaacgc gacaagagag 120
 gcggaagcga tggcgaagtc gtgcaagggg ttggccatgg agctcgtcaa gtgtctcagc 180

gagaccgact gcgtcaaggt gcagaaaagg ccgtacaagg agtgcgctgg ggagaaggtg 240
 ccaaacatta ccagcgagtg cgttggcctg cgggagacct acttcaactg caagaggggc 300
 caggttgaca tgcgggcccc aatacgcggg aacaagggat actagtgatg t 351

<210> 26069

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E10

<400> 26069

cgaagactgg cgggcaccaa taaccctgtt cctacagggg tactatcatc caactgacgt 60
 cagtgaggca aagcgctca gacatcgaag ccgggacttc gcactgattg agggccaatt 120
 atacaagaaa ggggtcagtc agccaatgct caaatgcgtc accgaaaccg aaggcatgca 180
 gatcctacgc gaagtcaca gtggcacgtg cggctcgac gcagggcaa gggccctggc 240
 tgccaaggtg atccgacaag ggttttactg gcccgaatg atctgcgccg caaatcgggt 300
 cacgaggtec tgcaagcct gccagaagtt ctctcctcgg tcatgcaacc cctcgcaata 360
 taaaagctg atcgccata catggcctat ccagcgctgg ggctggaca tcgtcggggc 420
 cctgcccacc gtcctggga accttaagtt ggccttcgta gccg 464

<210> 26070

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-044-Q1-K1-E11

<400> 26070

cccacgcgtc cgcggacgcg tggggcgacg cgtgggcgga ttctggattc atttgatgtt 60
 ggcgtttcgt ttattgtttt tctaattgcc cattcattca tgccgttcgt gcccacgcat 120
 gcagcccatg aggatcgagc atggaggagc ctagttcttg atccaatctc ccagcatgct 180
 tgacgaacgc gaagacgaac gtggggcgaa cgctgcatgc taacgcgggt gatcttattc 240
 ctaataatac gtagcgattc gggagattga tttttgatca tgcacaagcg atccaaatcc 300
 tgcgagccgt acaggaagat ggaggagcgc gtcgggtgca gcaatgccgc gacgtccttc 360

gacgactccg ncaccggcag ggcgccgggc gccgcggcgg cgcagtgcctt cacgggtgtcg 420
gtgttcctcg ccaagatcaa cggcgccgcg cgccacg 457

<210> 26071
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E12

<400> 26071

gtcaagggttc gtcaaggtag ccagcctgga tagaagggtg tcctacgggg caaaggaata 60
agaagcgagg aactcgccag tggttgggaa tcagtatgta cacttcaata tcagggttcc 120
gacggagggtg acgcaaaggc agaggagct gatagatgag ttcgataaag aggagtgcgc 180
agaccgggaa agacctgcgg ttgcctccgg atgaagtttt tggttcaacc attaattagt 240
tttagcacca cactagtttg atgccctcaa tttctccaac ccgtcataag gtgctgtagg 300
caccaaaagc ttattgtaac atttgatcct tatatagcat ctactcagtc tgtaacgtat 360
acattacgcg ctaaattatt gtaccatttt cgatttct 398

<210> 26072
<211> 170
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E2

<400> 26072

gccacgcgtg cgggagcgag tgtcggaaca gactcctaaa cctccagcag gatcttactc 60
ggtctattgc tatataacaa catgtctgta ctgctgatca tagcacttag cattgtacca 120
tgactagagc agtccatata actgccttta gataaaaggc cggacgatat 170

<210> 26073
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E3

<400> 26073

cccacgcgtc cgggccgcgc tgccggttct tcccagctgc agcaaccggc cagtgcgcgc 60
 ggttgcggtg catttgcatg gctgcgcgct gcgctctggg agcttgcaact agcgggtcgg 120
 cggcctaggc gcggggcatc ttctgagtgct gtgcgtgtct gttcaagctc tgatcgtctc 180
 tccggcccat tcgccggagg aaactgaccg ccgccttctc gctctcgctc tctaccctat 240
 tcccggggct gagaggggag gagagaaggc cagctccaca ccataaagca ggacgtacag 300
 acacgtgtac gagggggatc acggtcgggt gaagtgacta agctggcgga c 351

<210> 26074
 <211> 380
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-E5

 <400> 26074

cgaccaccgt acgtcctcca ccgcgtcgcc gccggccggc ctctgcccag cccgggctgc 60
 ctgcgagggc ttctgatggc cctcgacgcc gtcccttctc cctagtgcc agctttattg 120
 cagatccagc cctctgatcc tcgtcttctt tcacctctcc aacatgaagg tcaacaccaa 180
 gatcaagctg gagccgggtc tggcgccgct gtcgtccctg ccgcggagcg ccagcgagct 240
 acccgaccgg ccgtcacctg tcagctccaa cacggcgcac caccctgtct ccgtgcccac 300
 cacacctagg ttggccttat cgtgctcgct gttcggccac atggtgacct cngccaccga 360
 cacaccggcg atcacgcca 380

<210> 26075
 <211> 182
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-D10

 <400> 26075

actattcctt atctctgcac accaccccat caccttcata tcataacca tccaatccta 60
 ccacctgate ctcaccacca tatttccacc atatcctcca tgaatatcat acagtcacca 120
 ataattactt atcctttacg ctcacacact tccctactac cacatacact ctaaacacca 180

aa

182

<210> 26076
<211> 119
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B2

<400> 26076

gcgcgggggtg acgtcgcacg gcgtcatcgg cggcgtaacc tatcgtacca tcgacggcac 60
gtcgtccacg cccgaagccg tcagcctgct ctgctccgag acgcagacgg gcagcgggg 119

<210> 26077
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B3

<400> 26077

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgctccgct tttggaatac 60
taaatttgcc agacctgatc acttctgaga aaatttgcta ctggagataa caaatttcag 120
ttttatttcg catttaaaga tgcctattgt tatagtatct gaggcagtag gacaggactt 180
ataagataca acttcccca tcattcatga tacaatccat gaacaacttg agttatctat 240
taggcactaa gttactgctc aactaaaaga aatggaacta aactaacaaa taaaatgct 300
acttaagtac atatgctata tcctatgtca acgacgaatt gcacagtgga att 353

<210> 26078
<211> 310
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B4

<400> 26078

ggtcaacacc aagatcaagc tggagccggt catggcgccg tcgtcgtccc tgccgcggag 60
cgccagcgag ctacccgacc cgccgtcacc gttcagctcc aacacggcgc accaccccg 120
ctccgtgccc accacaccta ggttgctcct atcgtgctcg tcgttcggcc acatggtgac 180

cccgccacc gacacaccgc cgatcacgcc caccaagaag caggacgaca agccgaagcc 240
gacgccggag gccgtcaccg cggcgaacta cgcgtcgttg tggtcgcca agcgcctcat 300
gcagcgcgct 310

<210> 26079
<211> 392
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-B5
<400> 26079

cgctccgcgc tgcgcctncc ccaaagcttc agtggctgct gcgacccttc tgttctccgc 60
tcttggtctt gggatgatgc cggcgggtact tgtagcgggc cttttaggt atttatctga 120
gggaagaaga aactatacaa ttcattcatgt caggagggtc gtctgaatct tccccgttat 180
ctggacaaaa tagccttagt tctctatcaa tttccaagga caatgaacta tcttcagagt 240
ctggctgctt gtccattgtt gtactaggcg cttctggaga ctttgctaag aagaaaactt 300
tcccagcgcct ctttcacctt ttccagcaag gattttctgca atctggagaa gtccatatat 360
ttgggtacgc aagatcaaat ctttctgatg at 392

<210> 26080
<211> 325
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-B6
<400> 26080

acaatatctg aggatgttgt tcggagtgcg ttttctgcca ccgaggaagg cttcttgaca 60
ctcgtgcgga gaacacgttt tataaagcct ttgattgctg cggttggatc ctgctgtcta 120
gttggtgtca catggagagg gacactatat gtggctaata taggcgattc cagggtgtt 180
attggcgctt taggtagatc aaacaagatc gtggctgagc cactcacaag agatcataat 240
gcaagtaggg aggaggtcag gcaggagctt atatcccgtc atccagatga ttctcanatt 300
gtcgtttctca agcatggtgt ttggc 325

<210> 26081
 <211> 389
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B7

<400> 26081

```
cccacgcgtc cgggtcatcc aaggcgagcc tggcgccgtc atccgtggca agaagggatc 60
aggaggcatc accgtgaaga agacagggca ggcactcgtc gttggcatct acgacgagcc 120
gatgacgcct gggcagtgcac acatggtggt ggaaaggctg ggcgactacc tgcttgaaca 180
gggcattgta ctactacgta ccagctggaa tgcattgcca cgacgatggt ttcgagtttc 240
gacttccaat aatagtaaca acaaagcaaa ggccttcctc ccggcgatatt tgctttggct 300
cttctccttc acgccataag atatctagca attggctcact cgccttaatt agttcgcttt 360
gcttttgagg ttgattcgac cattttgct 389
```

<210> 26082
 <211> 348
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B8

<400> 26082

```
gccaccctcg tctcaccctc cctccctcac acaaataata aggaaaggtc ccgccctttt 60
cctccgacat ccacaagggg ggaggggaaa acacgtacat tcacccggcg gcaataatgg 120
cctcgggttc ggctccggcg acgacgaccg ccgcgcgtcat cctatgccta tgcgtcgctc 180
tctcctgtgc cgcggtgtgc gaccggaacc tccccgacta cgtcatccag ggccgcgtgt 240
actgcgacac ctgccgcgcc gggttcgtga ccaacgtcac cgagtacatc gcggggcgcca 300
agggtgaggct ggagtgcaag cactttcgca ccggcaagct cgagcgcg 348
```

<210> 26083
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C1

<400> 26083

cccacgcgtc cgagtatttc catcagacac gctgtctgga tgtctataaa ggaaccatct 60
gtggcttga aggaataaac tttattactg tagcaacgcc tcaccttggc tcacgagga 120
acaagcaggt tccactcctg tttggatctg ttgcaatgga aaaggttgct tgccacatcg 180
ttcattggat atttaggaga accggtagac atctctttct aactgacgat gatgaagggc 240
tgcctccact gctgcagcgg atgggtgaag atcatgacga tctctacttt atatctgctt 300
tgcgagcatt cagaaagaga atgggtgtacg caaacgcaga ctgtgatcac attgttggct 360
ggagaacatc atctattaga agaaacaatg agctttct 398

<210> 26084

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C10

<400> 26084

ccccaatcg attccatccc atgggttggc gttggcacga cgacgacggt gacagcggcc 60
ggggcctcgg cggtgtccct gacctcgctg gtggcgggg cgatggggcg cagtgcgcca 120
cgcgacgggt ggtgcagtcc cgctgccaca cggaggaagt cgagcccggc cgatttgtcc 180
gcaagtgcga gaagacggag cagctcctcc gcgactgctg cggcaggccc tctgaactgg 240
tggaatccaa aactgaaaac actgaagaag atgtcacaga agaaatgaag agcggttcac 300
tttctcttgg gtttccaaga aacgagccct tcgcattccc tggactccgc agtgacatgg 360
aagcccttga gaaagacttc tttgggagcc tagggaacgt cctggatgaa actgagcgga 420
tggccaacag cttcgtcag 439

<210> 26085

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C11

<400> 26085

cttaagaaga cgatgttcgg cgtccgcacg aaggcgtacg aggacgcgc ctcctgtctc 60

accgtctcca agatccacta cgagaatatc aagatggagg actcagccaa ccccatcttc 120
atcgacatga agtactgccc caacaagttg tgtactgcca acggcgccctc caaggtcacc 180
gtcaaggatg tcaccttcaa gaacatcacc ggcacctcct ccaccccgga ggccgtagc 240
ctgctctgca ctgccaaagt cccatgcacc ggcgtcacca tggatgacgt caacgtcgag 300
tatagcggca ccaaccacca gaccatggct atatgcacga acgccaaggg cagcaccaag 360
ggttgcctca aggagcttgc atgtttctag accctccatc gactgaccca tctctctagt 420
tataatTTTT ctctcgtcct tgcattgccc attagatgct atcca 465

<210> 26086
<211> 51
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-C2

<400> 26086
cccacgcgtc cgcccacgcg tccgcaccat gatgaggcan tatgtcttca t 51

<210> 26087
<211> 381
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-C3

<400> 26087
ggctaatagca ggtcactaca atggatcgct gtgtcaagaa ccatgtcaag gagttcgaga 60
agaactttgc tgttaagttc ccagcttgct caatcgccgc gaagcaccat attgaccaga 120
gcacaacaat tcttgacgtg caaggagtgg ggatgaagca attcagtaaa gctgcaaggt 180
agctcattgg catgcttcag aagattgatg gtgacaatta tccagagacc ctgtgcgcga 240
tgttcatcat caatgcaggc cagggattcc ggcttctatg gggcaccgtc aagagctttc 300
ttgacccaaa gaccactgca aagattcatg ttctgggtaa caagtatcag agcaagcttc 360
tcgaggtgat tgatgctagt g 381

<210> 26088
<211> 292

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C4

<400> 26088

tcgcccacgc gttcgattca aaccagcact ggtttgtgct gatacattta gggctgggtgc 60
 ttttgatcag ttaaagcaaa atgcaacgaa ggccaagatt cccttttatg gaagctacat 120
 ggaatctgat ccagtgaaaa ttgctgttga aggtgtggag aggttcaaga aagaaaactg 180
 tgatctcatc attgtggaca caagtggaag gctcaaacag gaagcaagac tctttgaaaa 240
 aatgcggcaa gtttcagaag caccaaaacc agacctggtg atttttgtga tg 292

<210> 26089
 <211> 375
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C5

<400> 26089

cggacgcgtg ggcagcagct caccgtcgtg cctcctccat cggcatccac ccggccgaga 60
 gcacaacgtg taccgtctct cccagcgtg cgcgcgcgcg tggtcggagg ctgccgtcgc 120
 tcgcgtcggc cgcccccgcc ggccagcgag agcgagggac aacgaccgac cgaccgacca 180
 gctcgagggtg aatgaacagc cgcataccgt tcctccagaa aatgcaccgc tggatcatcc 240
 ctagctgagg cgacaccgac cagccgcgcc cttccttcgc ccacgagat gcgttcccga 300
 ggccggcgtc ggcgtccgag tcggcgtcag cgccccgctc cctcagaag ctgaagaaag 360
 tggggtcgga agggga 375

<210> 26090
 <211> 383
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-C6

<400> 26090

gcacgacacc gacttcttca ccaacgcctt cggcgtgcgg tccatcaagg agaacgacaa 60

ggagctgatg gcggcgctgt acctgcaagt gagcatcatc agccaggcgc tcatcttcgt 120
 gacccggtcc cggagctggt ccttcgtgga gcggcccggc gcgctgctgg tgategcctt 180
 cctggcgggc cagctggtgg cgacgtgcat cgccgtgtac gccaaactggg agttctggca 240
 gatgcanggg aatcgctggg gcttgggtgg ggccatctgg gcgttcagcg tcgtcaccta 300
 cttcccgtg gacgtgctca agttcgccat ccgctacgcy ctcttcggca agggctggaa 360
 caacaatcaa cacaagacgg gct 383

<210> 26091
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-C9

<400> 26091
 cggacgcgtg gggcaagaac tcctgcacca agaagtacga ctgcaagatc cttcccaact 60
 ggctggtgat ggacttcgtg aacaacgggg aggtgtccgg ggtcacgctg ctcaactcca 120
 agttcttcca catgaacatg taccggtgca aggacatgct gatcaaggac gtgaccgtga 180
 cggcgcccg ggacagcccc aacacggatg gcatccacat gggcgactca tccgggatca 240
 cgatcaccaa caccgtcatt ggcgtcggtg acgactgcat ctccatcggc cccgggacct 300
 ccaaggtgaa catcaccggc gtgacctgcy gccctggcca cggcatcagc atcggcagcc 360
 tacggcggtg caaaggccga gaggacgtca cggacatcaa cgtcaaggat tgcactctta 420
 agaagacgat gttcggcgctc cgca 444

<210> 26092
 <211> 460
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-B12

<400> 26092
 cccacgcgtc cgcccacgcy tccgggacac tttagatgaa ccagaggcta aggcacccat 60
 gatttgata attggagaat atgctgaaag aattgacaat gcagatgaac ttcttgagag 120
 cttcttgtaa acattccctg aagaaccagc attagttcaa ctgcagctgc taaccgctac 180

tgttaaattg tttcttaaga agccaactga ggggccacaa cagatgattc aggctgttct 240
 caataatgca acagttgaaa cagataatcc tgatttgagg gacagagctt acatatattg 300
 gcgacttctg tctactgata ctgaggctgc gaaagatgtt gttttggcgg agaaacctgt 360
 gatcagtgat gactctaacc agcttgactc atcacttctt gatgagctgc tagcaaakat 420
 ttctactctt tcatcagttt atcataagcc cccagaatca 460

<210> 26093
 <211> 293
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-H5
 <400> 26093

cccacgcgtc cgcccacgcg tccgcgcgtc cctcgctcct gcgccgcccg tccgatccgg 60
 tcaccggccg gggagggctc agaaaccttt catccaatac atacatctat ctgagccctt 120
 tcccgcggtg aggcccgacc ggagtcacac cacacacaca cacggtgtcg atggcgggcg 180
 taataaggag ccgccgcgtg tccgttgtct tctacgtcgt cctcgccgca gctgcagccg 240
 cggcgcaggc atccaataac gtcaccttcg acgaggatta ctgggcggag cgc 293

<210> 26094
 <211> 285
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-H6
 <400> 26094

cccacgcgtc cgcccacgcg tccggtacgc cggcgctcct gctagtgcct gccgttgaac 60
 tgtccgggca ccattgatcc gacctccct aagccatcga tgagtagaga aaaacagtga 120
 acgccacctc tgtactcgcc ccaccttatg gcgcgtcgct cctgcagtac cggcccacgc 180
 tctgcgcggc gctcaggtgt tacggctgcc ctcaaaccg tcgtcggacc attggcactg 240
 gggcaagcaa aagcacggac aggtgctcgg cgtgctgcaa cggct 285

<210> 26095
 <211> 133
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H7

<400> 26095

cggacgcgtg ggtttctggc gggcaatcgc ttcacgccgg cacggaggcc ctggcggctc 60

aggccgttga ctctacacgc tggagcaagc tcggcactgt tggcgtaagc ctcgacgctt 120

tcacgtggcc ttg 133

<210> 26096

<211> 252

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H8

<400> 26096

gtcacgcgtc cgagcgggtc ttgtccgcgc cacaggatac caattgttgc gctgggaata 60

ttcagttacg atgacccgct ttagttcagt tttttttttg ggggggttgg ttcgatcatt 120

tggctgtagc gtgaatcgca tggacaacag acttcaatta ctaagcaaatt atttttcttc 180

tgcatatatt tgaagaacct tgttcaggcc tccctttcga aatgaaatgc cggaaatttt 240

tttcttggtta aa 252

<210> 26097

<211> 281

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H9

<400> 26097

tcacgtgaca gcaagttggt acgtgtcctc ggcggttcga ttggacgac cagcccacgg 60

cacacggaca tacgtgctgc ctctgaggag catgaacgac gatcatccat ccacctgacg 120

aagacaccat caatacgacg aacatggcga tgaggtcgct agcactactg gtccactactaa 180

tcctgatggt agtaggacgt ggctcagacg atgctgtcat aaatagagca gagagcctgc 240

tgatgcgatt gccattacta tggatcatga tccgccgaag g 281

<210> 26098

<211> 152
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-A10

 <400> 26098

 gtctagttcg gtgttggtga tggaacggtc gtcactgagt catgcacgat ttggtatccg 60
 tgtgttttatg ttcgccggtt tgaggaactc tctgatccgt cgtgacacaa agttgatgct 120
 gagagaacga ccgagtatatt tttttttctg cc 152

<210> 26099
 <211> 463
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-A11

 <400> 26099

 cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccgct cgcattcagc 60
 gcagcgcagg tgtgaaggaa gggggacgcg gaggaagatg gggctcgcgt tcgggaagct 120
 cttcagccgg ctcttcgcca agaaggagat gcggatcctc atggtcggcc tcgacgccgc 180
 cggtaaaacc accatcctct acaagctcaa gctcggcgag atcgtcacca ccatccccac 240
 catcggtttc aatgttgaaa ctgttgagta caagaacatt agcttcactg tctgggatgt 300
 cgggggtcag gacaagatca gacctcttg gaggcattac ttccagaaca ccagggtct 360
 tatttttgtt gtggacagca atgaccgtga ccgtgttggt gaagccagag atgagctcca 420
 caggatgctg aacgaggatg agctacgtga tgctgtgctg ctt 463

<210> 26100
 <211> 462
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-A12

 <400> 26100

 gcaaaagcca tcgtttgaat tgtctggaaa gcttgctgag gagaccaaca gagttgcagg 60
 tgtaaatacta ttatattcag aacccccaga ggctcgaaag tcagagatta gatggaggct 120

ctatgtat ttt aaagatgg tga aaccactgaa tga aaccactg tatgttcatc ggatgacctg 180
ctacctttttt ggaagagaaa ggaaagt tgc agatgtcccc acagatcatc cctcctgcag 240
caagcaacat gcagttcttc aatacagact tgtggagaag gagcaactag atggcatgat 300
gacaaagaaa ataaggcctt atctgatgga tcttgatagt acaaattggaa ctttcatcaa 360
tggaatcgc attgagcctc ggcatatta tgagttat ttt gaaaaggaca caatcaagtt 420
tggcaatagt agccgggagt atgttttgct ccacgaaaat tc 462

<210> 26101
<211> 88
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A2

<400> 26101

gacgtccata gttgctgtat aaggcatgat ttgccatcat tctgttgctt cggatgatgct 60
tgcaatgcaa tgagaatgtg ttggaacg 88

<210> 26102
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A3

<400> 26102

gcaactagca cgccagatgc aaacctatca aatgagaatg tcattagtgg cataactcct 60
gatatcatgg aaaaccatct tgctgaaatg cagtatcaga agttacctcg gaattttgtg 120
cagtgggtta atcacggtga taccttttgg tactaagatc gcaattactg gaattcaata 180
tgtcgccagc ttcacagggt gggcattaac acggatctga gtagtagatt atagagtgat 240
atggatgctg cggcaaggca tttctcccgat gatatactcc gcaccatccc caaagtcctt 300
tattgggtcca cgtgttttta caatgggtga gtagatagat atcttttctgt tgaaagaaaa 360
tagagatgat aattaggctt attattgttg acctgaaatt gtcattattc atgggga 417

<210> 26103
<211> 207
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-044-Q1-K1-A4

<400> 26103

cacaatagta ccctgttgag gaactttgtg gtcacttctt ttctgatttg gacttcgggt 60

gctcgcgatc gatgganggc tgggtactaat ctttgaggag atattaattc caactgggct 120

tcaggtggcc tgaaaaccag gggtaccaa cgcgcaggta aatttgagacc attaggaagg 180

gggtggaatgg attaaaccgg gccaaagt 207

<210> 26104

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A5

<400> 26104

gcggaccggg ccgggagaaa caaaactgac aaggacgata tgggtgcgtag cctcgtcgcg 60

ctgatcctcg tcgccacggc cgtagccgac gtggccacag ccgcaccctc gccgggggttt 120

gtcgtcaccg gccgcgtcta ctgcgacaac tgccgcgccg gggtcgagac caacgtctcc 180

cacgccatcg aaggcgcgac ggtggagatg gagtgccgtc acttcgagtc gcaggaggtc 240

cacgacaagg cggaggcgac gacggacgcc ggcgggtggt acaggatgga gatcagcggg 300

gaccaccagg acgagatctg ccaagtgtg ctgctcaaga gcccgaagc ggactgcgcc 360

gagatcgagc gc 372

<210> 26105

<211> 191

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A6

<400> 26105

cccacgcgtt cgctgcgaag aagaccgacg acgtgcccta ccggcgtgcc cccgtcgtcc 60

tgccgtccgt tgategatct ggccatggca caaactgag atcctcgtcg tcgtgagccg 120

aacgttaatc cggcggacgc gggggcgggg ccattgctgc ggcggcagct atgaggacaa 180

tcacgtacgc c

191

<210> 26106
<211> 346
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H3

<400> 26106

cacaagggtg cttatggatt atttgaatga ttatgcttat gacgcgcaag ttgctggcct 60
ctattatggt gtttaagccaa atgacactgg ttttcaggta actatggttg gcttcaatga 120
caaaatgaga acccttttgg agactgttat tggaaaaatt gcagaatttg aagttaaggc 180
tgaccgtttt tctgtgataa aggaagctat gacaaaggag tatgagaatt tcaagtttcg 240
gcagccatac caacaagtcc tatattattg ttcgctaata ctggaggacc aaacatggcc 300
atgggatgag gaattttctg cactttctca ccttgaagct agtgat 346

<210> 26107
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A8

<400> 26107

cccacgcgtc cggatacatc tccccttctc acccaaccct ccaagcaaca ttgaccgcaa 60
agggccatcc gctgcggtca gtgtaggttt ctgaatcata gcttggcgat gcctgaggct 120
agacaaatac tgagctagcc ttcagaaaaa aaaagaaaag aaagagattg agaagcaggg 180
agaaaaaatg gcactggccc attgaggaag cttgagaacc agttaacaag aattgccaac 240
atattcttgg acaatcttgt taacagagtt ttaaggtttc ccagcagaga agagcgcgtg 300
caaccaccac attcatataa ttaataagca aggttttagag aagaggcaac atgggcacaa 360
agatgaagaa ggggatcctg aagccgttcc gctatatctc aaccatcatg gatggtaagg 420
aggctgaaat gcaaattgg 439

<210> 26108
<211> 463

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-A9

 <400> 26108

 cccacgcgtc cgcccacgcg tccgatctcc agactccaac cagcgcctcct ccctccccgt 60
 gctttcctcc tcccttcagc catcgcagtc gcaggttctt ggctggttgc tgggtgctgac 120
 agcaaagtcc gcaactccat cctgcctgcg ctccctcccg cctccgctcct cactcagcac 180
 ccgcgcacgc cgcctgcctg tcgattgaga tctctttcac gcccctttct gccatcgcac 240
 aactgagccg cagctagtaa catccatttt gctggtcagt aagtcgtggg aggaagaaga 300
 tggattatth gaaggtgcag gtggtagagt catcatttgt agtgccgagc gagccgacgc 360
 caacgaaggc gctctggctc tcttgcttgg acatggttca gtccaacaaa gccacaccc 420
 caactatcca cttgtacagc tccaacgatg ctgcggcggc tga 463

<210> 26109
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-B11

 <400> 26109

 gataatggca taaaaaaaaa aaataaaaaa ttaaaaaaac aagacaacca tataaagaaa 60
 gcgcaaactt acaaacacat acatgcaacc ccgtcgctct actataccca cactctaaaa 120
 cccattcatt cgacgtctta acacaacttt ggtactgcc aaaaaccagtc gactccccac 180
 ttattttacac cgcagcaa at gcgaaaacct tcagcttacc caatttaaaa cattccctgc 240
 caaaccacct ttcccaacat ttactcatcc tgaatagccc atgacacacc ccctttacca 300
 acacattaac cccctcaatg tgcaaatggt acgcgccttg taaccgctac attagccgcg 360
 ggcctatcgc gctttccctc agctttaccg ctacccttgc tagccact 408

<210> 26110
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-G1

<400> 26110

gagccatccc caggctcttg cgcaatgtga acacacatta acaggactag gaattgaaca 60
tagagaggct gttgacgaca ctgctgggtgc agcaaagatt gttgcagaac atatgggtcca 120
ggatactggg gctattgcta gttcattggc tgctaaactc tatggattgg atgttcttgc 180
tgagaatatt caggatggca aaaataatgt cacccgttta tgatgctagc tcgaaaaccc 240
aacattcttc gcaatgatag accatttaag acaagcatag tcttttctact agaagaagga 300
catggacaac tctntagggc gcttgggtgta ttcgcacaga ggaaaatcaa cctcacaag 360
atcgaaagtc gtccacacaa ggagaggcct cttcgagtat ctgatgactg ttccttactc 420
ttaaagatt ttgattacct ctttta 446

<210> 26111

<211> 240

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G10

<400> 26111

cccacgcgtc cgacaagctc ttttaaaacc atccgctttg taatttggcg ccaattgagg 60
gtgtcattaa cgggtgttcga ttattaatcg atccagtttg gccccacaac tagaaaagga 120
aaaaatgcac acatcttctc cttgctactt ctaggatctt ttcatatgct ttaatttcaa 180
tcgagggcga ggccagaaga agccaaatta ttgcaaatac tcgttaagcc ttgtttagtt 240

<210> 26112

<211> 415

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-G11

<400> 26112

cccacgcgtc cgcccacgcg tccgcggacg cgtgggtttt tccatcggtc catcgaacca 60
cgattccac gctatagttt ttgtacacaa gcaggatcat ttttaagaaga tatatgtcaa 120
caacaaccgc tacattacga cagccaccac catgagcaac cgggtgctctg gatcagacca 180

aaaaactaga gttcttcaat gtttcgacag gtctggcgaa ccacaaacac aaggatgttt 240
 tttcatgggt ccttattgtg ccctttcggg cacgatgagc atcctcctgc actagtcggc 300
 tgtccagctc tgctccacaa tctcgcgagc tttgcgngtg tactcccgtt ggttctcgtt 360
 gaacagtctt gcggcttctg agtttgcaag ggagttccgg tttggatcac acagc 415

<210> 26113
 <211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-043-Q1-K1-G12
 <400> 26113

cccacgcgtc cggctctcag agccatccgc tggaggagat ctatttgcac agcaattctc 60
 gctattgact acagacaaga agttagaatt gtctgagcaa aagagctata cttccgtagc 120
 aaatgggtatg tctgggtgtg tctgagctttc agaggcatcg attgaatcat ctggtgcaaa 180
 agctgctgca tgtggaactc tttcggttct ttcctcaatg tcaaataaag tttacaatga 240
 ccaaggaact ccagcagcat tcagagttcc tgcaggtgct gtgattcctt ttggatccat 300
 ggaggacgcc ttgaagaaaa gtggatcaat caaatcctac actaatcttc tagagaggat 360
 cgaaacagct caaattgaaa atggtgaact tgatagccta tctcgaagc ttcaagc 417

<210> 26114
 <211> 303
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-043-Q1-K1-G2
 <400> 26114

agaggctctt gcattcaacc ctgattatca gtagccaaag ttcaatttca gccggtgatt 60
 ggcttcattg acatggagat tttttcccca cctgatgtca gtgcaaaaag tcaccaactc 120
 cgattgctag ctgtaaataa ctgccttacc tgaagatact ccattcctct gattaaaagc 180
 tggtgacggt gtcattaagg gtagaaaaga acgagcttgt gaaggtcaaa tttctgcgaa 240
 gccatggatt tctgtgctta caatatgttg ttttcaatcg gactttcctt cctttttctt 300
 gtc 303

<210> 26115
 <211> 376
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-G3

<400> 26115

 ctgatgctcc ggcggcgcg gcctcatccg gtccctctag cgcaccagcg ccatcgctcg 60
 cgtctgagtc ctccgccgca ccaggcccat cttctgatgg cacctccagc gccccagcac 120
 catcgctccg cgacgattct gattccgacg acgatgggtc agcttgagcc tgaccgatga 180
 cgcggggttg ggttaccggt gccactcaaa atacgatccc ttttattgta aaagagggat 240
 cccttctttc cattgcattc ttgcaatccg tttcttcttg actatgtttc ttcttgacta 300
 tgtaacgata ataacatgag ataattatct gaatgacatt atatnttttc taaaaaaaaa 360
 aaaaaataat aattat 376

<210> 26116
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-G4

 <400> 26116

tctgatccaa ataagttgtc tgatatgaaa gaaaatgatt tcagtagcaa cagaaatgtc 60
 tttggttact ctggaaatac gagggatgat atgttgccac tttcaagtac ttccgaggaa 120
 tctcgcttta tgaaaatgga gaacaataat tcccggaaaa caggaagtgc tgttgctgct 180
 ctcaaagaac tttgcactgt tgagggatat aacttagttt ttcaagcctg tccatcttca 240
 gcagatgggt tagttgggaa agaattcttat gctcaggtag aagttggtgg acaaattcta 300
 ggcaaaggag ttgggttaac atgggaagag gccaaagctc aggctgctgc tgaggctctt 360
 ggaactttta gatccatgct atgtcaactt ggtcataaac gatctggctc tncagggtcat 420
 tggcaccaaa ttttaacaag cg 442

<210> 26117
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G5

<400> 26117

atcaaattcca cggtttaata acgaaccgtg ttaacttacc ataacaacaa ctcaattcct 60
atcgaattcc ttcttatcga attcctatag taaaattcct ataggataga acgtacacag 120
gggtgtacaca ttatatatga atgaaacata ttcattaact taagcatact ccttttttta 180
tttaatgagt tgatattaat taaatatctt tttttttaga tttttgcaaa ggtttcattt 240
acgcctaata catatcgagt agaccctgtc gttgtgagaa ttcttaattc atgagttgta 300
gggaggggact tatgtcacca caaacagaaa ctaaagcaag tgttggattt aaagctgggtg 360
ttaaagatta taaatggact tactacaccc cggagtagca aaccaagat actgatatct 420
tggcagcatt ccgagtaac 439

<210> 26118
<211> 342
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G6

<400> 26118

atctgagtta aaggagtact tatgctggtg agactgcaac atcaaagaaa aagagaagaa 60
ctcctgcgtg gtgtgacaga atattgtggc gtgggtgatg gattgtacag ttatcctact 120
accgcgggga gtctagattt tctgatcacc gttctgtttg tggaaccttc gctgttgagg 180
ttgaggtgcg aaacaagaag acaaacaggc gctcatcaaa tgctgacatg agaattgatg 240
ctgaagagct cttaccacag ggcaagggtg aaagagatga gaatcatgtt gcacgcgagg 300
aggataggct agtattgcag ccggactcgc agatgccgta cg 342

<210> 26119
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G7

<400> 26119

cggacgcgtg ggccggcgct gccgccccac gtttggtgct caggtcttcg tggggccctt 60
agccggcgac gagcatcacc agctgaaaga tggcgaggat accgtctctg aagagcctca 120
atgcgtttcc acatgcggag gaacacttgc tgaagaagac ttactctggt gctgctgcga 180
caattcttgg gctacttata atgattacac tgtttgtaca tgagctgcag tcttatctca 240
ccacatacac agtgcacag atgtctgtag atctaaaacg aggagagact ctgcccattc 300
atgtcaacat gtcataatgct tctatgccat gtgaagtatc gagtgtggat gcaattgaca 360
tgtctgggaa acatgaagtt gatttgcata ca 392

<210> 26120

<211> 203

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G8

<400> 26120

acgctcgtct cacgctccct tcctcacaca agatatgagg aaaggtaccg cccttttact 60
acgacatcca caaggtgcga ggggaatata cgtgcatata cgcgggcggt atcatggcct 120
tggttccggt ttcggtgact actaccggcg acgtcatact atgcctatgc atcgtgctct 180
gctgtgccgc tgatgacgac ccg 203

<210> 26121

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G9

<400> 26121

ataagatggc gtgtatagac aatgcaatga gagccttggt ccttttagcg ctcttctgtg 60
tcgtgcatgg tgagaaggca aagtcaaagg acaacgatgc aaaagcgtcc gggcccggtg 120
ggtccttoga catcaccaag ttggggcgct cgggcaatgg caagacggat agcacgaagg 180
ctgtgcagga ggcgtgggca tcagcgtgcg gcggcaccgg gaagcagacg atcctcatcc 240
ccaagggcga cttctcgtc ggaccactca acttcacagg cccatgcaag ggcgacgtga 300

ccatccaggt gaatggcaat ctgctggcga ccacggacct aaaccagtac aaggatcatg 360
gtaaattgga tcgagattct acgcg 385

<210> 26122
<211> 424
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-H1

<400> 26122

cacctctcca aatctcgccc atctcgagcc acagggcgcg gagggccgcg tacaggagaa 60
gaggggggtat ggagccccgcc gagcgaatcg agtccgggac ggcgctgggg aagcggccga 120
ggagcagggc gctgccgcg acgcccagca tgggtgacggg gccgtcggcg gcgaagcagg 180
ggcgccagga gcggcgcgcc gtctcgctgc cggctgccgg cactgggacg ggagccgctg 240
ccgccatgcc ggtgggttac tgttactact acggcggtc attcgccgcg gtggagacgg 300
cggccttctt gaaggcgtgc ggccgatgca gccgncgnc cgggcccggc cacgacacct 360
tcattctacag gggcgaggtg gcgttctgca accaggagtg ccgggagaag cggatcgagt 420
acga 424

<210> 26123
<211> 467
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H10

<400> 26123

cccacgcgtc cgtggggcctt ccacaaccgg taacactgca tttcaagata aggggtttga 60
tgctacagga tgggaactcg cccttggttac cgcaccgagc aacacgactt catctgcgtc 120
tgtcgggtcaa ttgggtgggtg gatttgacaa gctcattttg gacagccttt atgatgacgg 180
ggcctacagg cagaggcaac agcaacagggt gtatggttca gcagtgccta atccattcat 240
gtcaaatgat cctttcgtga tgtcaaacca agttgctccc ccaccatcag ttcaaatggc 300
tgccatgtct cagcagcatc agcagatccc cagcatgatg caaccaaadc cttttggacc 360

acctatgcag ccacaggtag gcatgggtcc agcaacaaac aatccctttc tggatgctgg 420
attcggggca ttcccagtgg cgaacaatgg ccatcagcaa cacaacc 467

<210> 26124
<211> 323
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-H11

<400> 26124

ggagcgcct cctacggcgc ggcggcgcct tccgggggct ccgccgatgc ccccgccggc 60
gcctccgagg gccctgcgag cgccagcggc ccgtctggtg acgacgcgcc ggcgtccggt 120
gctggtgcca gcgcgtcggc tgctgatgct ccgcggcggc ngnctcatcc ggtccctcta 180
gcgcaccagc gccatcgtcg tcgtctgagt cctccgccgc accaggccca tcttctgatg 240
gcacctgcag cgccccagca ccatcgtccg gcgacgattc tgattccgac gacgatgggt 300
cagcttgagc ctgaccgatg aca 323

<210> 26125
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H12

<400> 26125

gcggccacgc gtccgggtcg agctgcttcg gcgacagaga gccgcttcgg agcaagcagc 60
aatggacgct gagcagaggc aaagttcggg tggcatgtgg ggttgatcg ctggaagccc 120
gacaccagca gtttagttcc gtgattcata tattttactt gtaacattat atatcatttg 180
actgacaccc tctacaattt ttttatattg gtacttacgg cattcgtgtt cattttggac 240
ccacaaagaa taaggtgttc tagcgatcgt tatactcaca attactcaa atgtattctt 300
taggttttagc aagggggtgc tcatgttagt cgatgtgctg gttatccttt tgacgctgtg 360
ctggttttggc tgtcc 375

<210> 26126
<211> 284

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H2

<400> 26126

ctcgcgccac cgtccactgc gtcacacaca taataatgaa tggtagccgc cttttcctac 60
 gagatccgga acgattgagg cgaacacacg tacattcacc cggaggcaat aatggctttg 120
 aacccggctt cggcgatgac tacagcctat ggcgtgctat tcctacgcta ccggtcacg 180
 cgtgccgcgg ctctcaaccg gtacctctgc gattacatca tccaggggac catgtactgt 240
 gacacctgcc gaaccacgga caggagcaac gtcagcgagt acat 284

<210> 26127
 <211> 351
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F9

<400> 26127

cccacgcgtc cgcccacgcy tccgcccacg cgtccgagaa tgtacacgga ggtaaataatt 60
 gcccatacat accctggaac aaattgtatt aattgtcaca gattgactgc actcagaatt 120
 acacagcatt cttttggaca tttgggtgggt aaatatgaaa tctctttggg aatatacctg 180
 tatatgcagt ggtagagaat atcgctgttc cttttatggt ggatgcactg gaaagggag 240
 aattgtactc tgaccagcca cagcatctct tttgatcatg tctatattct gctctcagt 300
 aaaaaagaga tttcattatg tcatttaaca cggaccacca tttatgtgag c 351

<210> 26128
 <211> 317
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E3

<400> 26128

gccgttgtgc cctcgaactc gaatcggaaa ccagccagc catgtcgtac tacggcgacc 60
 ggcgcgcgga gtcgtcgatc gtggaggcgt tcacgctgtc gccgctgccg taccgggtga 120
 tcctggtgct gctgatggtg acgctgctgc tgggcgcctc gtggttcttc acgtacgacg 180

acttcatcga ggaggcgctg cagcagctga gctgggcgct gctgggcgct cccatcgcg 240
 tcgtcctcct catccgctgg atctcctcctg tcgactcctt cgagggctac ctgggcttct 300
 acccgaggga gagccgc 317

<210> 26129
 <211> 384
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-E4
 <400> 26129

gatttttagcc gccgccgctg ctcatctcac atccctcgag aagacgcctg ctccctcgccg 60
 atcgatacga tggccgtctt ctccgacctc cacaccgccg acggcctcaa gtccctcgag 120
 gctcacctcg ccggcaaaac ctatgtgtct ggtgactcca ttactaagga tgacattaag 180
 gtcttcgccg cggtgccgtc gaagcctggc gctgagtttc ctaatgccgc ccgctggtag 240
 gagaccgtct ctgcggctgt agcctcaaga ttccctggta aggctgttgg tgtaaatctg 300
 cctgcgggat cagctcctgc ggcagctgct cctgcggatg aagctganga tgatgatgac 360
 cttgatcttt ttggtgatga aact 384

<210> 26130
 <211> 393
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-E5
 <400> 26130

gtgccgagca aggccgctg ggtgaaggta cacaaatgag aacgaaggcg gctcggagac 60
 gaatgccagt cgcgtttggc acgacaatac acaagtgtcc accggagtag ctggacctct 120
 cgcaaccgca cggtaggagg acgtgcggcg gtggctgcgc ctgtgcatcg gatttcgttt 180
 gttttctcca tgaattttgc atcgcgtgtt agtgctccct aatatttggg gcaaaacata 240
 tgtttagtag agggatatgg gtcgactcag attaagtaat tagcgagcca aatgtggtag 300
 cgtcgtccgg ttattggtaa tgtatctgct gtggtataaa tgtatctgct gttggtatac 360

attatgaaat cacattntaa ttntctatgt agg

393

<210> 26131

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E6

<400> 26131

gctggagcta tcgtggcagg aggaaagggg actgcccagg acaaaatcaa ggcactcaga 60
gaggcaggtg ttaccgttgt cgagtcacca gcgaagattg gctctaccat gtttgaaatc 120
ttcaagcagc gtggaatggg agaataagacg atggagacat tgagaaaccg cattttgatg 180
ctcatgggca attgcgagca attccttcca tggcctcaaa caaaactaat gaggctacct 240
tttcttacgt gccttctgtt tggaagatgg cctcttcacc tggatcacct tccaatgagc 300
tcattttcaa taagacgttt cagagccatg gacatgcttg gagtcaatgt gaatgcctaa 360
tttcgaattt ttattgttta cacatgtcaa tctaggttta ccaatc 406

<210> 26132

<211> 459

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-E7

<400> 26132

cccacgcgtc cggcctgagg aggtggaagg agcaactcct tgggcaggtc gacacagagc 60
agctgggaga aactgcggaa ccagaggtca aggtgctgga cctgaccatc ctgtcacctg 120
gcagaccgga cctgatecct ccgatcccg tccaggctga cgagaagggc tatgcgtttg 180
ccctcaagga cggcagcccc tacagcttcc gcttctcctt catcgtctcc aacaacatcg 240
tgtcaggcct caagtacacc aacactgtct ggaaaactgg agtcaaagtg gagaccacaga 300
agatgatgct ggggacgttc agccccagc tagagcccta tgtctacgag ggcgaagaag 360
agaccacccc tgggtggcatt tttgcgagag gttcttaatc tgccaaacta aaagttgggtg 420
atgatgatgg caagtgcctn ctggagatga gttactact 459

<210> 26133
<211> 455
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-E8

<400> 26133

cagacaatca gcagctagac caaaagaaag aaaggctcgt tatatgacag accttgagcg 60
gaagggtccaa actcttcaga ctgaagccac caccctgtca gctcaactta cactatttca 120
gagggacacg accggacttt ctacagaaaa tgcagagctt aagataagtt tacaggccat 180
ggagcaacag gctcaactcc gtgatgctct gaatgatgca ctaaagcagg agctggagag 240
gcttaaacad gctactgggtg agatgaccaa ttccagcgag gcatataaca tgagattcca 300
acatgttcca tacaattctt ccttcttccc gctttcccag caaaatgcat ccncacacct 360
tggtagcacc cagctgccac tgccgttcca cccaccccat cccaacgtgc caaaccacca 420
gatgcgaaac actcttccgg acataatgca gcaag 455

<210> 26134
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E9

<400> 26134

ctcccagatc ccgatcgcaa ccgccccca cattccccag agttagcccg atcagatcgt 60
tgttccctcg aggtgagagt aagatgaggg agatcctgca tatccaggga gggcagtgcg 120
ggaaccagat cggctccaag ttctgggagg tggtgtgcga tgagcacggc atcgacccga 180
cggggcggtg catggggacg tcggacgtgc agctggagcg cgtcaacgtc tactacaacg 240
aggcttcgtg tggtaggttc gtgccgcgcg cgggtgctcat ggaccttgag cccggcacca 300
tggaacgcgt ccgcacgagc ccctacggcc agatcttccg ccagacaac ttcgtcttcg 360
gccagtccgg cgcgggaac aactgggcca aagggcacta caccgagggg gcggagctca 420
tcgac 425

<210> 26135
 <211> 357
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-F1

<400> 26135

```
ccctccttct cctcgtcggg ggagaactgt ccgctgtcgt gactgacgtt ggggaggtcg 60
gcctcattct tgatggggcg cagacctggg cgtcgcgcag ccgcctctcc cacgtggcga 120
cgttgccgga gcagtgcggg agacgacatc aggagtgcgg aaggtggagg ggaatcaacc 180
actgcattgg tgtagattgg cgggcaacct gtccgggctg ccatcgtcgg acggcgacca 240
aatctaggca gcgcgggtgt tgggtggctc caacgaggcc tctcctcgac tgacgtggtg 300
gacgcgacag ccatcgagcg canggtggag ataatggtgt tctcgaggat cctcgcg 357
```

<210> 26136
 <211> 472
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F10

<400> 26136

```
cccacgcgtc cgcccacgcg tccgcccacg cgtccgaaaa aaagaaaaaa aaagagcaga 60
ggaagtagag tagactacga cagcgtccgg cgaggaggcg gaggcgaaga tgaggaagaa 120
gctcggcacc cggttccccg cggctcgaat caaaaagata atgcaagcag atgaggatgt 180
tggaagatt gcactagcag ttctgtttt agtttcgagg tctcttgaat tgtttttaca 240
agatttaatt gaccgtactt atgaaattac tttcaaagt ggagcaaaga cactgaattc 300
cttcacctg aagcaatgtg tgaagaggta cagttctttt gatttcctaa ctgaagtgtg 360
cagcaaggta ccagatcttg gtggcgctga ttctgtgga gatgaaagag gattacctag 420
aagaaggtaa ggtcatttgt aatcaacatt ttatgattca attggctcac gt 472
```

<210> 26137
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F3

<400> 26137

cggacgcgtg ggcggacgcg tgggcggcga cgtctccacc tacgacagcg gcagggtctg 60
gggcgagaag tactacaatg gcaacttcga gaggtctgcc aggaccaagg ccaagggtgga 120
cccctgcgac tacttcagga acgagcagag catcccgcca ttgctcaagt gatcgatgat 180
acccggtccc atccagatcc ttctgaccgc gccaaagcaaa aggacgacga gtcgtacatg 240
attctgctga ttatattaat tagattgata ctgctttgca tgcgttgagc cagggtgcttt 300
gcatggcgag ttagctacgt agttggcatc agccacatgc atgacattaa aacacaagct 360
gacagccggc tacccaaagt aaataagata cgcgacatac acttgcgctgc caattagtat 420
ggctggttct tcttttttaa tatta 445

<210> 26138

<211> 478

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-F4

<400> 26138

cccacgcgtc cgggaaggca gtgagctgtt ccgcacccgc ctgcgccgc cgcgccgtct 60
gatctgatga ggaaggctctg cccgaacctc gagcgcgacg acgcgctgga cacggtgctg 120
gaggtagcca tccccgagga gatgttctcc ggcgggggcg gcggcggtc ctgcgggttc 180
aggttcggct gcagcagcgt caaggcgtgg atgcggtcgc acgccgccga ccggtgcggc 240
gcgggcgagc cgtgctccat gagccgcggg gagctgcagc tcatgctggg cgtcatcggc 300
gcgccgctcg tcccgctgcc cgtcgccgtc gtctgccgcg ccaagcagtc gccctgctcc 360
gtcctctgcg agcagctcaa gaccggtcca atcgagtcgt cctccgcaa gtacatcgtg 420
cagcagtacg tcgcggcgtc gggcgngag tgggcgctgg acagggtcaa gagcatgt 478

<210> 26139

<211> 466

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-F5

<400> 26139

cccacgcgtc cgcccacgcg tccggtgatt tgaaataatt gggaataaat agttcgtgaa 60
tgccctgaagc gtgcatatat atattcctgc caagataaag gtaatggagt cgtcacgcag 120
gttccagccg gccgtcatcc tgcttctcct gctcattgtg tccaccgata tggcacaggc 180
aagggaatgc gagaagtaca gtgagcgatt tgttggggca tgcattgatc cagacaactg 240
cgccaatgtg tgccgcggtg agggcttctt ggccggcagg tgcagcacct tccgncgncg 300
ctgcatctgc actaggcagt gctaaacaag atcgctcgat cgctcggcat gcatcgacaa 360
cctattctta ataacgttca ttatctcggc cctatttatg acgaatgtca tgtatgttct 420
tgtgactggc atgtatatcc tgatgactgg catggatctt ggcat 466

<210> 26140

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F6

<400> 26140

gggcgacgtg gatgagctgc tgatgtcgcg tctcaggat ggcgacacct gccagggcga 60
gagtggagtc gcgatgacgc tggccgtcga cacgaagcgc gcagcgtga gtgtatgcgc 120
tgagatgctt gtctacatga cgctggtgtt caacgagttg aggaatacgc tcgagaagca 180
ctgtcagtgg aggtatcaga tccgatgagc atgtgcatgc tcggtgctga tgcattctct 240
agcaagcgcg tccggataaa gacgtggtg atttgtggtg tggtgacaca tgaatgaatg 300
atacgagagg cttgttccca cgtccgtgta cgaggactat ggaatagcaa atctggtgct 360
accaacgagg cattacctat atg 383

<210> 26141

<211> 81

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F7

<400> 26141

cccacgcgtc cggctagcgg ttgcttcatt tcattgttca ttttttaaaa aattttatat 60
accacgcctt tgcattgaga c 81

<210> 26142
<211> 304
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F8

<400> 26142

gcgacaacct cttccattca accctgatca tctccacacc cgcctcacc cgacccgggg 60
actggtctga ttaacaagga gagtcttaac ctacatcacg acaacgcaca aagcaaccaa 120
ctccaattgc taactgccga tgacatgctc acctgaagat actgcattcc tttcattaaa 180
agctggtgac ggtgtcatta agggtagaaa agaacgagct tgtgaacgct aaatttctgc 240
gaagccatgg atttctgcgc ttacaatatg ttgttttcaa tcggactgtt cttccttatt 300
cttg 304

<210> 26143
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E2

<400> 26143

cactaatcca agacaaaaca tggctgtgaa tgtgagaacc atgtggctgt cgatgcgggc 60
acaggttgcg atggttgtgg cgttgggtgtt cttgggtgagc ggcgcatggt gcggtcctcc 120
caaagtcccc ccaggcaaga acatcacggc cacctatggc aaggactggc tggacgctaa 180
agcgacatgg tatggcaagc cgacgggtgc cgggtccgac gataacggtg gcggtctgcg 240
gtacaaggac gtgaacaagc ccccttcaa tagcatgggc gcatgcggca acatccccat 300
cttcaaggat ggtctgggtt gtgggtcctg cttcgagatc aagtgcgata agcctgtgga 360
gtgctccggc aagcccgtgg tgggtcacat cacggacatg aactatgagc ctatcgc 417

<210> 26144
<211> 391
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C9

<400> 26144

cggacgcgtg ggaaaaaaaa aaaaaaaaaat ttaaaataaa aaaaaaaaaa aaaaaaata 60

agagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaatataaa 120

attaaaaaaa aaaaaaaaaa aaaaaaaaaat aaagggtgac cttttaaatg gtcaaaaatt 180

tctttaccct tattttcaaa attatatattt tttaatagtg aactaaatt taaattcttt 240

tcctactttt taaaaatttc ttaattggaa aaactcttgc gttaataatt tttatccatt 300

ggacccaaaa cctcttttgt caagatgaca taatagaaat aaggccctat ccattggatt 360

ttcctaagat tcctacacct ttattgggaa a 391

<210> 26145

<211> 448

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-D1

<400> 26145

cccgtccgat ggcncnntc taccagannn agctatgggg aggggcntac cagacatngg 60

gtcgggttggg acagccnnnt caacagcagt ggtcagagct catgcatggc cattggcnng 120

ngatccantc nnaccatgtn nctgtggacc caacaacang nctagtgttt gggcttctaa 180

acaaagtgan nctcccgenn acttggcatg ctnnttggac atccnnntgg tctcaaaagg 240

gcncnntgtc attggtgggc anngetacnn tcggtnttgg gcaccagcan tnncttccgn 300

ngcccggggc cgggtgtccc caatgctnnn ttgagtgagg gggatgcact nnggcacatt 360

ngctctgatg ggaccaataa agtttcccaa cttggagaca cttcaaggga tttatgagng 420

gagtggacct attgatcttg gggaaagc 448

<210> 26146

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D10

<400> 26146

cccacgcgtc cgcaccttcc atcgacaaaa tggaggtacc ggcctctccc cagggtgccc 60

ttccatgcat ggcgttgccg cggccgtccc cgcaatcaac tcccagatct cgtgctcacc 120

tccccgcaat caaggtcgtc acgcccgatg aggatggccg cgagtcgccg cacggcggtc 180

cgggccccag cgatagctcc ggcgcaggcg cgaggaagaa gctccggctc accaatgagc 240

agtcgacgct gctcgaggac accttccgcy cccacaacat actctccaac gcgcagaagc 300

aggagctcgg acggcagggt gatctcagcy ccaggcaggt tcatatcgct ttctgcgtgt 360

atgtagttgg ttcttcttca attctctatg tggggaaaac attaattggg attttcccag 420

caatcagctt gataggcgac atcatca 447

<210> 26147

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D11

<400> 26147

gaaagatgca ttcctggaaa caccatcgcc gtccaagctg acatgccata cagtggcctg 60

ggatcgggtcg gaacagcatt tttgtccaag ttcgaatgtt ctcatatgcc acatccactg 120

ttagagcacg tgaccttcgt ggacactcca ggagttttat caggggagaa gcagcggacg 180

cagcgcagct acgatttcac cggagtcacg tcgtggtttg cggccaagtg cgacctcatc 240

cttctcctgt ttgatccgca taagctggac atcaacgatg agttcaagcg tgtgatcggg 300

tctctccgcy ggcatgatga caagatacgc atagttctca acaaggccga ccaagttgat 360

gcacagcagc tgatgagagt gtaccgagca ctgctgtggt cgctcgggaa agtcctgaac 420

acacccataa gtcatgcgtg tctacatagg ttcattcaac gac 463

<210> 26148

<211> 326

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-D2

<400> 26148

cccacgcgtc cgcccacgcg tccgoggacg cgtgggcaaa aatgtcgcgc gtcacagctg 60

cggtgctctt ctacatcctc gccgttgctg ccctcagcgc ggccgaggcc ccggcagagt 120

caccgaagga aggcagtgct gccaaaggcac ctgagtctgc caagagaact gctgcccccg 180

ctgaagcacc cgaagccgca tccacccccg tcgccgccgc tgccccatcg ccgtcgtcta 240

ggaagtctgg tccagctacc gcgccagcca ccgnctctac acccccttct tccacggacg 300

aggagttgag cccttccccg ccagca 326

<210> 26149

<211> 305

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-D3

<400> 26149

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgccggg ggctctccca 60

ggaggacctc gtctgctct cgggcgcgca ctccatcggc ggcgcgact gttcatgtt 120

ctccaaccgc atctacaact tctcccagga cgccgacgtc gacccacgc tggacccgga 180

gtacgccaag tggctgcgcc agatgtgccc gccgcggcag cccggcgacg accccgagca 240

agcgcccaag gtgaagttcg acgcgcagac ggnnggagcg ctcgacgtcg cgtactactc 300

cgagc 305

<210> 26150

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D4

<400> 26150

cccacgcgtc cggcgacacc tgccgcgccg ggttcgtgac caatgtcacc gagtacatcg 60

cgggcgccaa ggtgaggctg gagtgcaagc acttcggcac cggcaagctc gagcgctcca 120

tcgacggggt gaccgacgcg aacggcacgt acacgatcga gctcaaggac agccacgagg 180

aggacatctg cgaggtggtc ttggtggaga gcccgcgcaa ggactgcgac caggtgcagg 240

cggacagggga ccgcgcgcgc gtactgctca ccaggaacgt cggcatcagc gacaacctgc 300
 gccccgacaa cccgctcggc tacttcaagg acgtgcccgt gcccatctgc gctcgtctgc 360
 tcaagcagtt ggactcggac gacgacgacg atcagtaata gcacatcgtc gacgaccgca 420
 gactggctgg cac 433

<210> 26151
 <211> 386
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-D5
 <400> 26151

cacacgcacc cacacgacac atccagatga tgcttagggg tccccgtcc ccggccgcgc 60
 cggtgccaac ccagctctcc ggtgcgcccg cgacccctgc tcccgctcgc aggggtggcg 120
 cgccgcgcgg agtcgcctcg ccgtccgctg gcgcgcgctg cagggccgcg ggcaagggga 180
 aggaggtgct cagcgggggtc gtgttccagc ctttcgagga gatcaagggg gagctcgccc 240
 tcgtgcccc agtccccagac aagtcgctcg cgcgccacaa gttcgctgat gactgcgagg 300
 ctgcctcaa cgagcagatc aacgtggagt acaacgcctc gtatgcatac cactccctct 360
 tcgcctatct cgaccgacgac aacgtg 386

<210> 26152
 <211> 381
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-D7
 <400> 26152

actgtggcca gtgccaacaa gtgttgatgt atccatacgg agcaccgtct gtcaaagtgt 60
 ctgtttgcaa cttcattaca aatgttggcg gggtgactcc catgatacct ttgccaccac 120
 cagcactacc tgcatacaagt ggaacttcat atatcatccc gtcaatttcc gtgccgacga 180
 atcaaccgcg gaatgtaact gttgtcgctg aaaacccaat gacagtagat gacaagggaa 240
 aattggtgag caatgttgta gtaggggtta cgagcggcgg gaaaaagtga cggcatatca 300
 caaccgtgtg tagctttgtc caaactatct aaaaagggtt taagaatata taccttgtat 360

catactgctg tttggcgatc g

381

<210> 26153

<211> 219

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D8

<400> 26153

cccggctcgac ccacctccgc caccgtacca acgctggctg atcttggtcc atcatcaaata 60

aatggatgag tgctattaca tatgtggcat cactcaaagc atgacttcca tgttgaacta 120

tctttcacct tagcaaacct aatatactaa tcgacattag aatcctctaa atacttataa 180

ctatagcctc atttacttat tccactgaaa cacaacata 219

<210> 26154

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D9

<400> 26154

gggatggggt tcaaaaatga agtttcaaata aaatctattg ttgagccac tcttgaattt 60

gcaattgtac aagatgcaga tcgcttggat gcaattgggg caattggat tgcaagatgt 120

tttacatatg gtggtagcaa gaacagcgca ttacatgatc ctagaattct gccacgtgat 180

agcttgtcga aggaaaagta catgtccaag gaagagaagc agacatcaat caatcatttt 240

catgagaagc tctttaaact gaaggacatg atgaagacag aggccgggaa aaagagagct 300

gagaaaaggc ataggttcat ggaggaattt gggggctgaa ttctacgaag agtggagtgg 360

cagagcttga ggttgaacaa ccaggttttg agcctatgtc aaagtgtgca gttggcgaac 420

catttctcaa caacccatga tgat 444

<210> 26155

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E1

<400> 26155

cccacgcgtc cgaggaaaccc atctgtcata gactgcactt gtgagcttcc aagaagttcc 60

ttcgttccag cagacgagta tctttgtctt gcaacttggg ataccagagc tccaacacca 120

taccaaattg aaaaagctgc acgttgggct tgtggaaaga gatctgaggg gaagccggtt 180

tatgtccatt gcgcatttgg ttagaaatcc accttttgtt ataattaatt acaggattgg 240

atcttgatgt tcagattatg cacaaaatta tattttctgc tatttatgca atatattaac 300

tgtca 305

<210> 26156

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E10

<400> 26156

atcgcgccgg tgtcgggtgaa ggggagcaag cgtgtcaagt ggacggagat gaagcgcaac 60

tgggggcaag tgtggcagac cggggaggac ctacacctgc agtcgctgac gttccgggtg 120

atgaccagcg accaccgcaa ggccacctca tggcacgttc tccccgctga ctggaagtcc 180

ggtgtcacgt accaggcatc caagaacttc taagtagcca cttttcctcc tcttcttcaa 240

cctgcatatg cccacaagca accatgcaga tgataacatg catcatgcat gcatattcat 300

tctttcgctc atgcattccg atatggtgcc ggagttaaaa aaatgtaa atcaatgtgcaa 360

actcaa atga catcttaacc agttgtgat 389

<210> 26157

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E11

<400> 26157

ctccttctgc tcggaacgca cacaccgacc ggtacccgat ctccgatccg ctcgctgac 60

cgaagatgca gatcttcac aagaccctca ctggaaagac tattaccctc gaggtggagt 120

cttatgacac cattgacaac gtcaaggcca agatccagga caaggagggc atccccgcgg 180

accagcagcg gctcatcttt gctggcaagc atcttgagga cgggcgcaca cttgccgact 240
acaacatcca gaacgagagc accctcgacc ttgttctccg cctcagggga ggcattgcaga 300
tcttcgtcaa gacctcact ggaaagacta tcacctcga tgtggagtct tctgacacca 360
tcgacaacgt caaggccaag atccaggaca aggagggcat cctgcagac cagcagcggc 420
tcatttttgg cggcatgcag ctcgagga 448

<210> 26158

<211> 434

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-E12

<400> 26158

ctcctccatc gagcagaagg aggagggccg cgggaacgag gcgcacgccg cctccatccg 60
cgcctaccgc tccaagatcg agaccgagct cgcccgcatc tgcgacggca tctcgcacct 120
gctcgactcc cacctcgtcc catccgccgg cggcgccgag tccaaggtct tctacctcaa 180
gatgaagggt gactaccaca ggtaccttgc tgagttcaag tctggtgcag agaggaagga 240
tgctgcggag agcaccatga atgcctacaa agctgctcag gacattgctc ttgcagatct 300
ggctccaacc caccatca ggcttggcct tgctctcaac ttctcagtgt tctactacga 360
gatcctgaac tcnctgatc gcgctgcaa ccttgcaaaa caggccttcg atgaggcgat 420
ctctgagcta gaca 434

<210> 26159

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C8

<400> 26159

cgcccttat cgccctcggt atttaccatc ctgccaccct cctctccgcc gtcgccgccg 60
ccgccgggga tgggggggagc gcaattcccc ggcgacaacg acgtcgggga agtagacgcg 120
gcccgcgacg gagagggtgga ccgccgtgac gtgggcaaga tgaagcacgg gtgcgagcat 180

taccggcgga ggtgcaagat cgtggcaccg tgctgcaacc aggtgttccc ctgccgccac 240
 tgccacaacg aggctacggc ttccggagat cggcatacaa tatgtcgtca ggatgttgaa 300
 aaagtagttt gcctactctg tgaacacaaa cagccagtgt cacaagtgtg cataagctgt 360
 ggagtcaata tgggagagta cttttggata tatgcaaatt tatgatgatg atacagaaaa 420
 gggcagtacc attgcatcga ttggtgcata tg 452

<210> 26160

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-B10

<400> 26160

cgcatcacgc gagaagaagc ccagcagcaa gggcgcaagc gcaactgatc ccgcacacgg 60
 gtgatgttcc acatccatgc ctataggcca ctcacctcac cacgcagcgt taccggccgt 120
 actactatat ctacatacga ccgtgggaca acgtcgaccg gagctcgatc ggcgcagttg 180
 ccgcatgggc gtggctgtca aagttccttt gtttctttct tgatttgtgc ttgcgttggg 240
 ttcggtgttc cactttcttt ttatgtgatt attaatcttg ttttcaaaaa aaaaaaaaaat 300
 gcaaaaagct gaccgcgcta aacaacaaaa caagtcacac gcccgaaatca ggacggtcaa 360
 tggacctaga ccaagaactg gcccacaaaa aaaaaaagg gcggcccttt ttaag 415

<210> 26161

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-B11

<400> 26161

ggcttctcct cccctcttta ccaagtcctc ttcggggttag gggtacttag ggttttgtgg 60
 aggggcgatg gcggcggctg atgtggagta ccgttgcttc gtcggcgggc ttgcctgggc 120
 caccagcaac gagtcgctgg agaatgcctt cgcctcctac cgcgagatcc tcgactccaa 180
 ggtcatcacc gaccgggaga cggggaggtc tcgcggcttc ggcttcgtta ctttctctc 240
 cgagaactcc atgctcgacg ctatcgagaa catgaacggc aaggagctcg acggccgtaa 300

catcacggtt aaccaggccc agtcccgtgg cgggtggcggg ggcggcggtg gctacggcgg 360
 cggtcgcggc ggcggcggtt atggtggcgg gcgccgtgac ggcgggttatg gcggcggtgg 420
 cggctacggc ggtcggcgcg aggggtggtg cggcg 455

<210> 26162
 <211> 366
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-B12
 <400> 26162

gaaggtggcc gggatccact ggcactacgg cacccggtcc cacgcggcgg agctgacggc 60
 ggggtactac aacacccggt cgcacgacgg gtacgcgccc atcgcgcgca tgctggcgcg 120
 ccacggcgcc gtgctcaact tcacgtgcgt ggagatgcgc gaccacgagc agccgcagga 180
 cgcgcagtgc cgcggcgagg cgctggtgca gcaggtggcc gccgcggcgc gggaggccgg 240
 cgtgggcctg gccggcgaga acgcgctgcc gcgctacgac gacacggcgc acgaccaggt 300
 ggtggccacg gtcgtcgaca gggccgtcga ggaccgcatg gtggccttca cgtacctgcg 360
 catggg 366

<210> 26163
 <211> 417
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-B2
 <400> 26163

gtgaacatca ccgcgcccgc ggacgtcgag aacacggacg gcgtccatgt cggcgggtcc 60
 tgcaatgtac gcatcaccaa ctcaaccatt ggcaccggcg acgactgcgt ctccatcggc 120
 cctgggagcg acggtgtcat ggtgaacaac atcacctgtg gccccgggca gggcatcagt 180
 gtgggctgcc taggccgcta caaggatgag aaggacgtga gcgacgtgac ggtgcgggat 240
 tgcgtgctta ggaacaccac caacggcgtg cgcacatcaagt cgtacgagga tgccgagtct 300
 gtgctcacgg cgtcccatct caccttcgag aacatcagga tggangaggt ggccaacccc 360
 atcatcatcg accagtactc ttgccccaa gaggtcctgc cccgcaagcg aagcaac 417

<210> 26164
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-B3

<400> 26164

gcgtccgccc acgcgtccgc ccacgcgttc gcggacgctt gggcggacgc gtgagtgcc 60
acttcacgag cttgtgtgaa tagtctgggg taccgactgc ataaattact gcagattgcg 120
acacctgtaa aagttacaca agaacatctt gatcgagctt accaggcaac caaatctgca 180
gatctgatga acttggaatc aaggtctata gcatctgaag atattggaag acaggttctt 240
acttatgtgg aaaggaagcc catctagtat ttctgaaaa cagatgacga gatcactttg 300
aatgacattg tcgtaaccgc aaaggagatg atgtgtacac cactcactat ggca 354

<210> 26165
<211> 473
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-B5

<400> 26165

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcggtccgcc cacgcgtgcg 60
cccacgcgtc cgcccacgcg tccggttgag tggcaaccgc gtagcacaat aggagttgtg 120
attgttgatt caagttacta cgtaagtacg tatattagag catgactaat aatgcgaata 180
ttgttaaaat ggatacgag gagggcagga ggtgagcttt tgcattgtcta gatattagca 240
gagtaacgag ggatcgattg ctatttgtga ttgtccccg cccgtgtttg gctactcacc 300
gttcaatttc ggtttctatc ccaatgatag aggccaaggt aaaggcatag agaccccaaa 360
cttaaatacca aaataaacta caggaagaga gaggggaagg accacaggag agtcattaag 420
taaataccact tgttgtctga ttagggtagg aaatgatgtc tgaaagtgc gag 473

<210> 26166
<211> 475
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-B7

<400> 26166

cggacgcgtg ggcggacgcg tgggcggacg cgtgggacgac aaaatatctc gccgttccca 60
tggacatcga cctcttcccc gacatcgacc ttgacgcctt cctcgctcc ttctccggcg 120
accccgccgc cgtctccggc ctcatcatcc cgtccccgcc tccgccggcg ccggcgacgg 180
cgcacgatgc ggaggcgggg tcgccggagt cggtagacct ccggacgaac ccgctcgggg 240
aggtggcgct ctccgagatc gagaggctcc tgatgcanga gggggaggcg gaactggggc 300
gngaggtcga tgggatcagc gtggaccagt tcttcgacgc gctgtacgac ggcgaggagg 360
cgaaaggatga gcgggaggcg gnggcaagcg cggatgtgga ctccggcagg gacgatgtgc 420
tggaagtcgt gacgccagag gcggggacgg tggangtgga tggcgatgat cccat 475

<210> 26167
<211> 425
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-B8

<400> 26167

cccacgcgtc cgaccgagac cccctcaag ctgcgcgagt acttcaacgt caccgacggg 60
gtgttcagct acaaccagat gggcgacgtg cccccgcgcg ttaacgggcc actccatgtc 120
atccccaaag tcatcaccgc cgagttccgg accttcatcg agatcgtctt cgagaacccc 180
gagaagagca tagactccct ccacctcgac ggctacgcct tcttcggcgt cgggatgggg 240
cctgggacgt ggtcgccgga gatgaggaag acgtacaacc tactggacac ggtgagccgg 300
cacacgatcc aggtgtacct gcggtcatgg acggcgatca tgctgacatt cgacaacgcg 360
ggcatgtgga gcgtncggtc caacgtctgg gaacggtact atcctcggga gcagttctac 420
atcag 425

<210> 26168
<211> 436
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-C1

<400> 26168

cccacgcgtc cgaacgacct ggccaagtac acggcgagtt ggatccaggt gtcgcacgtt 60
gacaacatcg tcatcaacgg ctccggcacg ctcgatggtc agggcaccgc agtatatacc 120
aagagcaaga ctgacgtcgt caaggcgatg cccaacacac tagtggtgtt ctacgtgacc 180
aacggcacta tttccggaat taaactactc aactccaaat tttccacat caacatcgac 240
acttctaagg acatcaccgt gaaggacgtg aacatcaccg cggccgcgga cgtcgagaac 300
acggacggcg tccatgtcgg cgggtcctcc aatgtacgca tcaccaactc aaccattggc 360
accggcgacg actgctctn catcgccctt gggagcgacn gtgtcatggt gaacaacatc 420
acctgtggcc ccgggc 436

<210> 26169

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C11

<400> 26169

gtgcccagaa tggtgcaggt ctatcaccgc caagctattc agctggagtg cagtctgagg 60
gactggatga cttttcacat tcccataagt ttgccgttgg tactagagtt caagctgtgt 120
ggagtgaaga tggagaatgg tataatgcaa ccgttgaagc tttgacacca aatggatact 180
atgtagccta cgatggctgg ggaaacagtg aagaggtgga ccagataat gtgaggctgc 240
ttgaggaaga agcagctgat gccttgggac aagctgaaaa ggaagctgaa gctacaaaaa 300
tggcaataaa gaggaaaatt gaacaagcag caacatctga ttttcaggcg cgtagcttgc 360
cggccaaact tcgtatcgaa ccaagtgacc ctgaggatgt aaaagctgca aagcgtaaga 420
aaatacatgc tttcaaatca aaatcccgtt ttgagcag 458

<210> 26170

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C12

<400> 26170

gaccgacgcg tccggtgggc agaattgttc aggtctatca ccgtctagct attcagctgg 60
agtgcagtct gaagggctgg gggacctttc acattggcat aggtttgccg ttgttactag 120
agttcaagct gagtgcagtg aacatggata atggtataat gcaaccgttg aagctttaac 180
accaaattga tactatgtac cctactatgg ctggagaaac agtgaatagg tggaccaga 240
taatgtcacg ctgcttcagg aacaagcaac tgatgcctta ctacaaactg aaaatgaagc 300
ttaagctaca aaaatggtac ttcacaggtg tattcaaca 339

<210> 26171

<211> 171

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-C3

<400> 26171

cggaattctc cgggntcgga cccacgccgt ctgcgcgcgc gactnngcgt cgaccaggcc 60
gccgccgctg tggagccgcn nctcgcgggc atanncgcg cgccccgcgc tttngctggc 120
gccntgtcc gacgggcgca gatctcaacg agggggccag ctttctcgtc g 171

<210> 26172

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C4

<400> 26172

accgaattcc ctgcgattcc tctcccctcg cctcctcgtc tccccctagg ggatcgtcgg 60
agaggaatcg caaagagggc cgtctcatcc gagttaagga agccatggag cacaaggagg 120
ctgggtgccg gggccccgag ggacccatcc tctgcatcaa taactgtggc ttcttcggca 180
gcgcggcgac catgaacatg tgctctaagt gccacaagga gatgataacg aagcaggatc 240
aggccaagct ggctgcctcc tctatcgaca gcatcgtaaa cggcagcgac gccgtcatgg 300
agccggttgt tgctggcagc aacacggtag tagctgttgc ccaagtcgag ttgcaaacia 360

tgaacgtgca gcagcccgt gatgttgccg gaccagcga aggggtggcg gcgatctcca 420
aagggggga 429

<210> 26173
<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C5

<400> 26173

gcaaggaacg caccccaat cccaactcct gtgtccgcca tcgcctcgtg gcggtcgctc 60
ctgctcctgc tgctgctgct gctccccag ccgctccgc ccgagcacg ccgccggcg 120
cgacgccggc gcgtcgcatg gatatggccc ccgctctgt ctacttcaat ccgcgctcg 180
tcgaggaaat cttcaaggac ttctccggcc gccgcgggg gctcgtccgc gccctcacct 240
ccgatgtgga cgatttctgc agcttggtgc accagataa ggagaatttg tgtctctacg 300
gccttcccaa cgggagctgg gaggtgtgc gccggcgga agaggttcct ccgagttgc 360
ccgagccggc gctcggcatc aactttgcgc gcgacggcat gcagcgccgc gactggctca 420
cactcgtcgc cgtgcactct gactcgtggc tcctctccgt cgcattcttc ta 472

<210> 26174
<211> 73
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C6

<400> 26174

cccacgcgtc cgaaaaaaaa aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aaaaaaagaa 60
agggaaacca att 73

<210> 26175
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-B1

<400> 26175

cccacactct gcctgacacg tgggttatgc ccctgtttac tcctaccgaa cttaccacca 60
 gggaagatct tatgcagatt ccgtcagcac ccctgttgaa ggcctaccac actgtgtacg 120
 aggactacct gtcggagctt gacaagggtca tcaaggttct ccatgacctt gtcgacgagc 180
 agaattacgc ctgcgtcatg ctctgcacg catggtactt catacacaca ctcgatgtgc 240
 gcacccaaaac cggacgcccc ttctgcgcct ttattaacct agtctaactg gcgcccggag 300
 actacggcgg actggcaagt gccattaggc tgctatgaca catcaacgac gagttttctca 360
 tcctatcata ctctgact 378

<210> 26176
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H2

<400> 26176

gtccggtggc aatgcttatg tgatttgtga ctctgcgaag cccgggcaga agtggcacgg 60
 gtactacgcc gctgagcacc ctgaggagcc tgtcggtact ctggagatgt gcatgactgg 120
 gctggacaag aagaaagctt ctgtcttctt caagaccact gctgatgggt actcgtgtg 180
 cgccaaggag atgaccaagc tctctggtat ctccgacatc atcccagaga tggagatctg 240
 tgacttcgac ttcgagccct gtggctactc catgaatgct gttcatggcc ctgctttgtc 300
 gaccattcat gtgacccag aggacggctt cagctatgca agctacgagg tcatgggctt 360
 caacccgggc tctttctctt atggtgacct 390

<210> 26177
 <211> 319
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H3

<400> 26177

aatgtttcag cggcgccggc gcatggggcg gaggggtctgt ctgaacggcg accggtgtcc 60
 gccttgctgt ccagacgcga atcggatcat ggcgcccccc tgccagtctg ccacctcagg 120
 cacactcagc tgtcgggtgtg gtggcatgcc tcggatatgct gacttcgggt cttctcaacc 180

cttctgcctc gaggcctgca tctcctcgac tcgtcgccga tctcttgtga tctgtctcgc 240
acctcggccc tcaactgaat attcaagaca tggaggatta cccagccata ggtttcactt 300
atctggggga gtttgatga 319

<210> 26178
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H4

<400> 26178

atcgacctga cggggcaggg ccacgaaaag ctctctccc cagttaccga cgttaagtac 60
gtcccgaacc agtgggtgctg gttcgacgac ggggcccagg acaagtccaa gctgcctagc 120
aacgtccagt atgcatgtgc gagcggcgac tgcacggcac tcggctatgg ctgctcctgc 180
aatgggctgg acgagaagag caacatctac tacgcgttca acatgtactt tcagatgcag 240
gaccaggatg tgcgcgcctg cgacttcgaa gggcttgcca agatcacaga caagaacgcc 300
ttcacgcgcg gctgcctgtt cccgggtccag ataatcagtg ccagtgtctg ggtggcgcca 360
gctctattga tggcggggct attggcattg cttgtgaatg tgaat 405

<210> 26179
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H5

<400> 26179

gactcatcga gtgcaaagca gttgttatcc taagaacctat gcatatgcta ccagaataag 60
agagatgaga gcgggttggtg gccaaaggctc ctgaaaaagg acatgtgttc ttgaagggtg 120
actggacaaa tggtaggatg aggatggcga agatgttgaa tgtagtatt tcacttctgc 180
ttgattatgt tttttcttat gcgcttgaca aatctagata tgcaaccaga catgctttat 240
tcttgttcct attttgtttt ccttatgtat taattcetta acttgtaatg cacatgatat 300
tttccttatg tattaatttc ttaac 325

<210> 26180
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H6

<400> 26180

```
cccacgcgtc cgcagcaacc tcaggttatg tgggggggtcg tcggcaaaac gacgctcgtg   60
gggcattggc tacggcagaa actagtgtct ggctgccatt ggttgtggga ggagcagagg  120
aaaacaaatt gttggttaca ctctgtacta ctgcgtcatg atattgtcgg ctttcgcttt  180
gtggcctttt gaggaact ggagatgtgg cagctttggc tttatggttc ttggaggaa  240
agccagagtg catgagtcaa agcgctatat tctctgtagt gaagtgaagc acgcacgcac  300
gttgcttttc cttcactcca tcggccacca agttattaat gcattgcatg ccagctggcc  360
catctgattc ctagcgacag gaacatcatt aagcaactag tactagaagt atgtaggttg  420
atgtcgatga tgt                                     433
```

<210> 26181
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H7

<400> 26181

```
agcagatgaa aggacgtggt gttgattggg atgtacctga acaagcatct gggcaacatg   60
taatgaagga tgaaccacag gttggtggaa tttatgttag actttttctt aaggacccca  120
aatttccact gagaaacctt aaaagattcc ttgaagggtt cctagatcaa tatgtctcct  180
ctgttgctgc tacgcattat gaagcaattg ctacagaccc agagcttcct ttactactgt  240
ctgcggcatt ggtttcctta ctacgagttc atccagcact tgctgaccat gttggctacc  300
tcggttatgt tccaaagctt gttgcggcta tggcttatga gggaagaagg gagactatgg  360
catcctggca ggctaccagt gcatcgaatg cagaacctag cgaacattga cac          413
```

<210> 26182
 <211> 447
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-H8

<400> 26182

cccacgcgtc cgcccacgcg tccgcccacg cgtccgaggg gggtaagga cggcgccatg 60
gacctcatca acaaattggca gcaggtggcg ccgtccctcc ccgatgacct catgatccgg 120
atcatggcca tggagcagga tgccatgttc gaggcctgt acctgggcac gtgcaaggac 180
ctcctcccgc tgatggccag ccgcttcccg gagctgggcg tcaaacagga ggactgcaac 240
gagatgccgt ggatccagtc cgtggccttc atccccatgg gcaagtcgga caccgtgatg 300
gacctcctca accggacgtt caacatcaag gccttcggca agtacaagtc tgactacgtg 360
aaggacccca tcccgagggg cgtgtgggag aagatctaca cctggctcgc caagcccggt 420
gccgngtca tgatcatgga ccctac 447

<210> 26183
<211> 458
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A1

<400> 26183

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccggt ggatgcatac 60
actcgttaaa tctctcact tcttctccg atggtttcag ttctgctttt ccctctcgcc 120
cgccctagat ccgctgggat ctgagtctct gtttgatgct gctttccaag ccccgccata 180
gatccgctgg gatatgagtc tctgtttgat gctgttttcc aagcctgagg agttccggcc 240
ggagtggttc ataggcgagg agaagagcgt ggacgcaacc gtcggcgga aggcgaggag 300
aagagcatgg acgccacgcg acgtcataca atcgattat tgtttggttg gtactctaaa 360
gacgcctctt gttctaattt attgcctgca gaatcatatg ctaaattaga aacagacgct 420
tcgtttcttc ctaaataaaa atactaattt actgggtt 458

<210> 26184
<211> 127
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A11

<400> 26184

aaacacactg aaccaataa tccgatccca cataaacttt tctctttgtc cgttcgatcg 60
atcgctgccg agtcgtatgt catacaccat catcacccat aaccattgtc tgcaacctgt 120
cttatttt 127

<210> 26185

<211> 309

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A12

<400> 26185

cggacgcgtg ggcgacggcg tcatgcatgc atggatatat acaccgtacc tagtggtaga 60
ctgatataata ggtgatttct ttttttcttt ttttgtgtgt gtggtttgat atcaacatcc 120
agtagctagc tagcaaacca agcactccga cccatttgca tgcctgcatg tattgacctg 180
agcacctggg actgctgtgt gatgccatta gaaaagcaag caagagagct tgctagctag 240
ctacagctca agtgatcagg ggccaagagc acaaggcgtg cagctgatta attaagcaag 300
tttcatccc 309

<210> 26186

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A3

<400> 26186

acgatcgctc gaatgactgg cttgtcgata taattaattg caacattggg catgatgcta 60
gctcggcatg tcttatcggt gtgctgcaca tctatggctt cgagagcttc acggtgaaca 120
gattcgtaca attctgcatt aactatacta ttgagacact gcatcgacag ttgactcatc 180
acgtgttcaa cacggtacac gacgagtacc ctggacagca aactgattga aggcatattc 240
agcgtgggtga caatcgagat gctcttgacc ttatggagtg gtaacctcgt ggtgggtatcg 300
tacttcttga tgaagcatgt atgctgcaca ctgccactga cgagacatgc gtgctgaaag 360

tctaccatag ttttgaaaag cacaagctgc ttgtgaagcc ccagctatct cgtgacgact 420
gtacaatctg tcactacgcc 440

<210> 26187
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A4

<400> 26187

cgaccaaacc ctaggcggtc ggcggggcgtc accacggcgg cgaagaaagg gtgcctcgcg 60
tggccttggg gtccccgaag tcgtcgacgg tgcagctcga tccgcctcgt cgagcatgtc 120
gaggaggggtc ccttgcaaatt tcttcttgca tggagcttgc ttcaaaggag attactgtga 180
attctcccat gactgcaatg atcaaccaga taatgtttgc actttctacc agaaagggac 240
gtgcaccttt ggtagccgtt gcagaaatga acatgttgaa gttcattgta actgccccca 300
accagcaacc actgtagcgc gtgcacccct caattcttct cagctagtgtg cttcttccag 360
agatcccat tgcagcgaat gccaaacggg attatgtgac caaacacagc agatttgcaa 420
gtcaacagca gcactt 436

<210> 26188
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A5

<400> 26188

cggactactt cacggcgtag ggcgtcgtag tccggaacga cgcgccgctg gccaaagccg 60
gcgccaaggg cggccaggcg gtggcggtgc ggctgttcgg gaccaagacg cagatctaca 120
actgcacat cgacggcgga caggacacgc tgtacgacca caagggcctg cactacttca 180
agggctgcct catccggggc agcgtcgact tcactctcgg cttcggccgc agcttctacg 240
aggactgccg catcgagtcg gtgggtcaagg aggtggcggt gctgacggcg cagcagcggt 300
ccaagtccat cgagggcgcc atcgacacgc gcttctcgtt caagaactgc agcatcgggc 360
gggtcaaggg cggacagatc tacctggggc gcgcctgggg ggactcctcc cgggtgggtct 420

actcgtacac gaagat

436

<210> 26189

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-A6

<400> 26189

cggacgcgtg ggcggacgcg tgggtgggaa gcagacaatc ctcataccca aggggtgactt 60

ccttgctcgga caactcaact tcacaggccc ttgcaagggc gacgtgacca tccaggtgga 120

tggcaatctg ctggcgacca cggacctaag ccagtacaag gaccatggta attggatcga 180

gattctacgc gtggataacc tggatcatcac cggcaaggga aaccttgacg ggcagggccc 240

agccgtgtgg agcaagaact cctgcaccaa gaagtacgac tgcaagatcc ttcccaactc 300

gctggtgatg gacttcgtga acaacggnga ggtgtccggg gtcacgctgc tcaactncaa 360

gttcttncac atgaacatgt accggttgca ggacatgcta atcaaggacg tgaccgtga 419

<210> 26190

<211> 364

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A7

<400> 26190

cggacgcgtg ggtagttcta gatcgcgagc ttccgccctt tttttttttt tttttggttt 60

tgttttatatt tttttttttt tttttttttt tttttttttt tttttttttt ttttttttta 120

ttattttttt tttttatttc tttttttatt tttttttata attttatttt ttttttaaaa 180

aaacataatt atataatttt attattataa aaattattac tttaaaattt atttacaaaa 240

aattattatt ttttttatct tttttaataa aaatctttta ttaatatattt attttttatt 300

aaattaaatt attattataa ttcatttaaat tttaaatgta tcctttaaca tattttattat 360

tttt 364

<210> 26191

<211> 453

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-A9

<400> 26191

```
cccacgcgtc cgagctcctc gggaatccgg tgccaggcct cgccttctcg cggcgggtgct 60
ccctccctct tcgtcccca ggcacgcagg caggcgcgcg cgcggccatg aaggggggcg 120
gtgccatgag gccgtcgcct atgttctacg tccacgaggc ggacgtcgtc cagatccacc 180
acttcctcga ggagtgtccc ctctgcgcca aatcgctctc cggcgacatc ttcattgtaca 240
ggggtgacac gccgttctgc agcgaggagt gcagggagca gcagatcgag gtggacaggg 300
cgaagcaccg gcggaagaag cgcgcggcgg cgcacgcgct gtccgcacgc agcagggagc 360
accggcacca gcagcagctg cagcagcacc accaccagca gcagcaaccg cagccgcgga 420
atgccggcat ggacacccgn caccctggg tcg 453
```

<210> 26192
 <211> 359
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-H12

<400> 26192

```
cccacgcgtc cgcccacgcg tccgagaagc tccagttggg tgccccaagt gcctgaaacc 60
gagcgtgtct tcccttgaaa acggtcgtgg aacagacctg tggaaaaaat tgggatgaac 120
ttgccactta tttcgttggt gttgttcttc tttgggtcttc gcgcggtggt ttctacctgc 180
caaagacgaa taattcccgg ctggggcccc tccagtccac tccacccatg cttttgtgtc 240
angcggagcg gaggtagagc atagggagtg aataaccgct accttatctc atttctatga 300
tgtatctatc taatntgggt cttccctgat aatgcacgac ccgtagtggt aacaagcgt 359
```

<210> 26193
 <211> 352
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-F7

<400> 26193

tgcagatcca gccctctgat cctcgtcttc tttcacctct ccaacatgaa ggtcaacacc 60

gggatcaagc tggagccggt catggcgccg acgtcgtccc tgccgcggag cgccagcgag 120

ctacccgacc cgccgtcacc gttcagctcc aacacggcgc accaccccggt ctccgtgccc 180

accacaccta ggttgtcctt atcgtgctcg tcgttcggcc acatggtgac cccgcccacc 240

gacacaccgg cgatcacgcc caccaagaag caggacgaca agccgaagcc gacgccggat 300

gccgtcaccg cggcgaacta cgcgtcgggtg tggtcgccc aacgcctaata gc 352

<210> 26194

<211> 487

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-F8

<400> 26194

gggctctgag tcttgcacac tccgagttgt ccactgtatt ctacgataaa gtactactga 60

tggcatgggg gtttaacaat gtcacatcc ttattattgg catcatcgtc ttcataatttg 120

ccacggttgg tgtcctgctt gttatggaga ccctgagtg attccttcac gcaactgaggc 180

ttcactgggt ggagttccag aacaagttct atgaaggatg tggttacaag ttcgccccat 240

tctcctttgc gctgattcgt gaggaagaag attgagatcg tcccatgtag ccgatgtaca 300

atctttgatg gcctttgttc ccggaacaaa tcattttttc atctgttggtc tcggatggat 360

cataaacctc agtccccttt gtttagacat gggacgaaca gcaccattta tccttggtta 420

gctatgcaga tgatttttgg gtcggttggc ggcaaacatg ggggtgatat caccattgta 480

tgatgct 487

<210> 26195

<211> 390

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-F9

<400> 26195

actggcatcc ccctctctcc ctcttcccac cacaccacct ccctgctcac aagccatagc 60
 cggcgccctct ttctgtgctt gccctctcgc catcttcgag tacgacgaga aggcggtgat 120
 ggagctggac gagcaggcct tcctggagga gatcctctcc ctgcggaggg acgcctggga 180
 ctgcaatgcc atgggggact tcttcgcccc ggccgacatg gactgcacct tccaggaccg 240
 tcaccaccag gcgcccaccg tcagcgtcct cccaccttc accgntcgtc acgcccagcc 300
 gcagccgcaa ccggcggcgg cgcccggctt cgactgcctc agcgaggtct actgcgccga 360
 cgcattcggc gggcccaatg ctggtgacta 390

<210> 26196

<211> 133

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G1

<400> 26196

aagacgcgta gactgtctcg tgcgctagtt ttcactttaa cgcccattaa gtctgtagtc 60
 ggactgggcg agcttgccga tagtctcggc ttcctgacct gctcttttcg agcggttggc 120
 catccactac atc 133

<210> 26197

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G10

<400> 26197

cagaagttgg tatgagtaca acatgcacac acaaacaaa cgaccctaca ctagagattg 60
 gaatccaaga ataaacttaa cacaagacca aatggtgccg gcacatacat gcgtacatgc 120
 atctgaaaac aagattaata atcacataaa aagaaagtgg aacaccgaac ccaacgcaag 180
 cacaaatcaa gaaagaaaca aaggaacttt gacagccacg cccatgcggc aactgcgccg 240
 atcgagctcc ggtcgacgtt gtcccacggt cgtatgtaga tatagtagta cggccggtaa 300
 cgctgcgtgg tgagggtgagt ggcctatagg catggatgtg gaacatcacc cgtgtgcggg 360
 atcagttgcg cttgcgccct tgctgctggg cttcttctcg ctgtatgcgg agttcatgct 420

gaagctgctg agagt

435

<210> 26198

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G11

<400> 26198

gcccatgcac ggcaactgca gcacttccgc ttccgcgaca tcacgtcca gcgggggctg 60

gggttgatac cacttgcgcc accaccacca gcagcgctg cacagccctc gcatggccgg 120

ctcaggctcc atgacgctcc gggccagctc gttcaagcgc ggctccggcg gcaagatcga 180

gctacatata ggctctacgc gctcgccaag gtgcgaccgc ttgtggagca ctttctcgga 240

ctccgcggag tcgtacgtta ggggactgct actgcaacat atccagcaga accagctcct 300

acggctacga ctcttcaagc cgccagtctc cagcatcagc accataggac ttggtctgga 360

gatcctgcac aggagcaaac tcggcaaca 389

<210> 26199

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G12

<400> 26199

ttaaagcatt gtcagaacta aggcaccttc atatagagag tttggatagg gctacttcaa 60

ggtaccaaca ccctttggta catagcttag atgcctttgt ctctatggaa cttccctaag 120

ctatgtacca aagggtgttg gtaaattgaa gcacttcaat catctagatg gtctaatacat 180

tggtcatgac aacaatgcgc ctgaggggttg tgacttagat gaccttaaag cattgtcaga 240

actaaggcac cttcatatag agagtttgga tagggctact tccggtgcgt ctgcactcgc 300

aaacaagcca ttcctagagg atctgtacct ctctgagcaa gcaccagcaa tagaaaatca 360

ggaagatctg gaagacaaag atgaaacaga aaaagaagag aaggaaggac aggaaagaag 420

caatggccaa tgcagaggag atgagtcaac caaagctagt gaaaagat 468

<210> 26200

<211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-G2

 <400> 26200

 cccacgcgtc cgaacgggct ctggccttgg ttccctcctc ctagagcgcc tgtctgttga 60
 ctacggcaag aaatccaagc ttgggttcac tgtgtaccct tccccccaag tttctacttc 120
 cgtagttgag ccatacaaca gtgtactgtc caccactcc ctcctcgagc aactgatgt 180
 ggctatactg ctggacaatg aggccatcta cgacatctgc cgccgatccc ttgacattga 240
 gcgcccgaacc tacaccaacc tcaacaggct tgtgttccag gtcattctcat cccttactga 300
 ctccctgagg ttcgatggtg ctctgaacgt ggatgttaac gagttccaga ccaacctggt 360
 accctaccgg aggatccact tcatgctttc ttcgtacgcc tcagtcat 408

<210> 26201
 <211> 314
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-G3

 <400> 26201

 aagaagcaca attttgatgg tcctatatac tattatgtgt tcaattccct tctattttca 60
 ggacttggtc tccacatata ttgggtgggtc ttaatatatc ggatgcttct gagacaaatc 120
 aagacaagaa atgttggaga tgatgttcga tctgattctg aaggagaaga cgaccatgaa 180
 gactgattgg cgtcaccatc ttagtttgca tattatgtcg gtgctagaag catcaccccc 240
 aataccgtcc ctgagcttat acattctttg gctggattcc aagaatacgt gcagattatg 300
 agaggacgag catt 314

<210> 26202
 <211> 374
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-G4

 <400> 26202

tgatacacac gagttacaaa caatcactct cgactacaga agggagtgtc aacaggatga 60
 gatagtggat tctcttactt gcatagagga aggagaggag aaaagcatga acggctctgc 120
 ttctgcagca gcgcctcaca aagaagagcg gcagcagttc ctgcattgct tgagatttgc 180
 agccaacgga cagcagatca accgtggccg taccgtgtgg aggaagctag ctagataaaa 240
 gtgttctttc gtcataaatg atctcctcca tttctctgct cacggctggc ggcccttgta 300
 ccacaatttt gtgatgtatt gttgcccttt ggaatgtact cagccatgta tcggtgccga 360
 tttgtgacat ttct 374

<210> 26203
 <211> 397
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-G5
 <400> 26203

ccgatctcg ccgtgcccta cccccagacc cgctccgccg ccaccggaga gatcgcgccc 60
 gccattccca caatctaata cttccgtccc tcgaggagcc gagccctccg cgcggccgtg 120
 ggatggggcg gtgacaacac cggtgagtgg cgtggggcag ggagccggtg gcgagggcat 180
 atcatgggtgc agtgcctgga cggggtgagg cagctgctcg cggtcctgct caagtgtctgc 240
 gacgtcgagc tcaagcagcc gcccgggctc gaggaccctc aggttctcgc gagggagacc 300
 gtcttcagcg tgagcgaagt cgatgctctc tacgagctgt tcaagaagat aagcagtgtc 360
 gtcacgatg atgggctgat taacagggag gagtttc 397

<210> 26204
 <211> 144
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-G6
 <400> 26204

gcggcaagac gttgctgcc taatcctttt acctttataa ggataaccct ggcactttgg 60
 gcacgtataa aatacaatat gtacttggcg acatatacga tagataacca catgtggaat 120
 tgtatcttac attccaccaa atga 144

<210> 26205
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G7

<400> 26205

```

agatatacga gctcctcgtg gacgacaccg gcgtcgtcga ggtggatgcc ggcgccgcca 60
gtgcggtggc gctgcccgtg aagcccgctt tgcagctgga ggaaaagggg gagctggaga 120
aggaggtgtg ggcgaggttc tacggcaccg gcttttggag gagcccgctg cagctggacg 180
acaacgacga caggtgatcg ggacaggccc gcgagcgagc tatccacaag ctccctccggc 240
gatgcgtggg ctcccttcgt tttccgcggg aagaagagag gatcgaggaa agggaaacat 300
gatttgtgtg tcgatactac gattacgaac ttcgatttcc cctctttttt tgttggtttg 360
gaaaggggaa atacttggtc ttctattcta caacaatggt acgtacatgc aatggtataa 420
ttaaaa 426
  
```

<210> 26206
 <211> 458
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-G8

<400> 26206

```

cccacgcgtc cgcacacgcg tccgctaaag cgacatggta tggcaagccg acaggtgccg 60
gtcccgaacg taacggtggc ggctgcgggt acaaggacgt gaacaagccc cccttcaata 120
gcatggggcg atgcggcaac atccccatct tcaaggatgg tctgggttgt gggtcctgct 180
tcgagatcaa gtgcgataag cctgtggagt gtcgcggcaa gcccggtgtg gtgcacatca 240
cggacatgaa ctatgagcct atcgcggcgt accacttcga tttagcaggc acggcgttcg 300
gcgccatggc caagaagggc gaggaggaga agctgcgcaa ggcgggcatc atcgacatgc 360
agttccgaag ggttaagtgc aagtacgact ccaaggtcac cttncacctt taaaaggggt 420
gcggncccaa ctaccttgcg ctgctggtca agtacgtc 458
  
```

<210> 26207
 <211> 313
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-H1

 <400> 26207

 gtcaggcggc aacgcttacg tgatcgggga ctctgctaag cccggtcaga agtggcacgg 60
 gtactggggc actgagcacc ctgaggagcc tgtcgttact ctggagatgt gcatgactgg 120
 gctggacaag aagaaagctt ctgtcttggt caagaccact gctgatgggt actcgctgtg 180
 cgccaaggag atgaccaagc tctctgggat ctcggacatc attccagaga tggagatctg 240
 tgacttcgac ttcgagccct gtggctactc catgaatgct gttcatggcc ctgctttgtc 300
 gaccattcat gtg 313

<210> 26208
 <211> 342
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-H10

 <400> 26208

 attcatcaca ctttccgttt ttaatttagc ttcaaggccg ccctacacgg ggcattggtcc 60
 aatctaactg agccaatggc actgaaccct atgtctcgcg aacatcacta acatagctct 120
 tcgccacatc atatcatatc acctttgcta tcttggattc tgacttatac gcgtccagac 180
 ataatccgtc aactgaatc ttactccac tttatcacca accaatctct attaccaaatt 240
 ttgtcaatca acatctccac taatactatg aacaattact atcgctgtcc ttttatcact 300
 aactaaaaac taacctttct caccacatcc taaccccaac tc 342

<210> 26209
 <211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-H11

 <400> 26209

 gatgactgtt gtgagtatca tgtggtcgtt agtgcagggt cagggtgctgg tgggtggggc 60

agtagcattt ctggtaggcg gtgcctggtg tggctctccc aagggtcccc cgggtaagaa 120
catcacggcc aaatatggta gtgattggct agatgccaag gcgacatggt atggcaagcc 180
gacaggtgct ggccccgacg acaatggtgg cggctgcggg tacaaggacg tgaataaggc 240
ccctttcaac agcatgggcg cgtgtggcaa cgccccatc ttcaaggacg gtctaggttg 300
tggatcctgc ttcgagatca agtgcgacaa gccagcagag tgctctggca agcccgtggt 360
ggtgtacatt acggacatga actacg 386

<210> 26210
<211> 468
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-F6
<400> 26210

gcgcccacgc gtccgctaata atatagataa tcgaaatcga aaagaactgt cttttctgga 60
tacgttcccc gttctattgc taccgcgggt cttatgcaat cgatcggatc atatagatat 120
cccttcaaca caacataggt catcgaaagg atctcggacg actcaccaaa gcacgaaagc 180
cagttagaaa atggattcct atttgaagag tgcctaaccg catggataag ctacacattaa 240
cccgtcaatt ttggatccaa ttcgggattt ttcttgtgaa gtttcgggaa gaaattggaa 300
taatatcgat tcatacagag gaaaaagtgc tctattgatg catacgctgt acctagagga 360
tagggataga ggaagaagga taaatcgaaa tgaaatanat aaagaataaa gcccaaaaaa 420
taagtcgaag atagaagagc ccagaatcaa aatgaagaaa tggaaact 468

<210> 26211
<211> 468
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-E11
<400> 26211

cggacgcgtg ggccggacgcg tgggaggacg cgtgggtgaa cgcgctgtca aactggctgg 60
tgaacccgcg ccgcaaccgc ctcgcgcgcc tccacatgaa cgccgtctcc tcgcgcctca 120

ggaaatacgg gctgaggtac gatgacctgt acgacccta tttcgacctg gacatcaagg 180
 aggcgctcgg gaggtgcct agggaggtgg tcgacgcccg catccagcgc ctcaagcgcg 240
 ccatggacct ctccatgaag catcagtacc tccccgagga cctccaggca cagcaggtcc 300
 cattcagagg atatttgagt gacatggttg ctctggtgaa aaaggaaagc gctgagcgtg 360
 aagcactggg agcccttcca ctttaccaga gaacgcttcc ctaaattgct ggctaaacat 420
 ggctgcaagt cttctcttta cgccaaatca gaatgcatgc aataaaat 468

<210> 26212

<211> 460

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-E12

<400> 26212

actacctggc gttgctagtc aagtacgtcg acggcgacgg tgacattgtg gcggtggacg 60
 tgaaggaaaa gggctccgac acgtacgagc ccctcaagca ctcttggggc gccatctgga 120
 ggaaggacag cgacaaaccg cttaagggac ccctcaccgt cgcctcact accgagggag 180
 gcaccaagac cgtctacgac gatgtcatcc ctgccaaactg gaaggccaac accgcctaca 240
 ccgccaaata attaaacttta gtgctgacaa tactttaagt cggcctatgc tagctatact 300
 agattggggtt ggatcccaag caatgcatta cacatgcatg cattggaccg tgatatctat 360
 ttgctaccac taccctatta cgacagtgat gctggcgcca acaataatgg cgtcacctn 420
 cttctncatc ttctccatct ccatatatag ctagagttag 460

<210> 26213

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E2

<400> 26213

cccacgcgtc cgcccacgcy tccgataatt ggctgatgat gcctgatgtt cagtgtgtga 60
 tactgtgata aagcaaggag acgacacttg aattctctac agtttggcat aggtcgggag 120
 agacactctc gaccggccac accatgtaac aaactaacct tcttcgttgt ctcccattat 180

tttcctccac ggagttcttc tgatgaaaca acatgttcta attgggctt 229

<210> 26214
<211> 336
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E3

<400> 26214

cggacgcgtg ggcggacgcg tgggcggact cgtgggggcg cgtgctacaa gatcgctctg 60
agtgtgacca tctcgggtgat cacgtcgtgc tgcaccttcg gcttgccgtg gctgacggcg 120
tgcaccccoct gcccgccgga gctcgccagt aagtgccga ccatcgggcg ctccggcaat 180
ttcaagaact tccagtgccg gccggggcag tacaacgcgc tggcgctcct cttcttcaac 240
accaacgacg acgccatccg caacctcttc agcgccgggt acgacaggga gttcggcggtg 300
ttcacgctcc tcaccttctt caccacggtg tacacc 336

<210> 26215
<211> 339
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E5

<400> 26215

cttcgagaac cccgagaaga gcatagactc cctccacctc gacggctacg ccttggttcgg 60
cgtcgggatg gggcctggga cgtggtcgcc ggagatgagg aagacgtaca acctactgga 120
cacggtgagc cggcacacga tccaggtgta cccgcggtca tggacggcga tcatgctgac 180
attcgacaac gcgggcatgt ggagcgctccg gtccaacgtc tgggagcggt actacctcgg 240
ggagcagttc tacatcagcg tcatctcgcc ggcgcgggtc ctgcgcgacg agtacaacat 300
gcccgacaac gccctccgct gcggcaaggt cgtggggct 339

<210> 26216
<211> 368
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-E7

<400> 26216

ggacgcatct cggcgggttc ctgtttttcc tggcgctcgc ggtcgccgga ggggtggacgg 60
aggccgtcga cgaagccgct cccgggatca tgaggttcgt ggtgacacca ccagctaacg 120
cttcgtgggg tagcggccag cattcgggtc tgccaagcca cgacggcagg gcgtcgcagt 180
ccggcggtgcc gcggtggccg cggacgggtg tcctgggtgg cgccatgtcg tgcctggcca 240
tcagcgcgac ggcccacctg ctggcggtgcc actcgcgggc cgccagcgtg gtgttctggc 300
agctcgacta cgcgggcata tncgtgatga tcgtcggctt ctttcgtgcc gccggtgtac 360
tacgcttt 368

<210> 26217

<211> 475

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-E8

<400> 26217

caccgaacag cagcaccaga ccagttgccc ggctcaccaa atccaggcgt ggccgtgcga 60
cgcacccctc cctcatggc gtcacggcg gcgcgatccc tcgcgctcgt cgcgtctgcc 120
tcggcatcgc tcggcgctcg gcagcggtcg tgggctcgtc tggtgtctc ttcctcttcg 180
gctgggtcgg ccctcccaa gctccgcggg ctccgctcgt tcgccgcctc cgcagggggc 240
gccgtgatgg ggaagccagg ccccggggtc gttgacgccg acgccgggat ggacgccgtc 300
cagcggcggc tcatgtttga ggacgagtgc attttagtgg atgaacaaga caatgtcatc 360
ggccacgagt ccaagtataa ctgccatctc atggagaaga tagaagctgg aaatgccctg 420
cacagagctn tcagtggttt ctttttcaac tccaaatatg agttgctact gcagc 475

<210> 26218

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E9

<400> 26218

cagctcgcgc gagctccatc ggggacaagg ccatacctca acggagtgcg aggtcggccg 60
ggccgttcgg gagcgatgga tgcgcatagc tgggtggtgcg ggcattgggta ccggcacacg 120
gcgcaactct cttttttctt gtgataacag atcaataaca tatcatacct tccaattgca 180
tagctgaatc gaaacatgtc gcgtaggata gttcggctag gccggagacc tgctgttggg 240
gacttgttct caaatgctat gagttaagaa caaggcaaca caaaaatgtt aatggttaaa 300
gtccttcgtc cttcgaagca ttatctccct taggatataa tgatcttcag acgaagggtca 360
tgaaggatgt accttcatca tcacagtata t 391

<210> 26219
<211> 300
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-F1
<400> 26219

cccacgcgtc cgaaggccag gtgaccact gggtagacaa gctgagcaga agggcgcagg 60
gcttcagaga gcatgtgacc ttggggccga agctgtcgga gacggtgaag ggggaagctga 120
gcctggggcgc gcggatcctg caggccggcg gtgtggagcg cgtgttccgc caggccttct 180
ccgtcgccga caaggcgag cggctgctca aggcgctgca gtgctacatc tacaccacgg 240
gcggggcccat cgccggcatg ctcttcgggt tcactcagaa ggtcgccttc cgcagcgacc 300

<210> 26220
<211> 449
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-F10
<400> 26220

gcgacgccac caccacacgt tcacggtagc tagagcttat cgtcgtcggc ggcgaagatg 60
gggtcgctga agctgcagaa gcggctcgcc gcgagcgtcc tcaagtgtgg gaaaggcaaa 120
gtctggcttg accccaatga agtcagcgag atctccatgg ctaactcccg ccagaacatc 180
cggaatttg ttaaggatgg gtttatcatc aggaagcctc agaaggttca ctctaggtcc 240
cgtgcaagaa gggcacatga ggccaagcag aagggaaggc actctggata cggcaagcgc 300

aggggtacca gggaagctag gctccccacc aagattctgt ggatgaggaa gatgcgtgtt 360
ctgaagcgcc tgctccgcaa gtaccgtgag gccagaaga ttgacaagca catgtatcat 420
gacatgtaca tgaagggtcaa gggtaatat 449

<210> 26221
<211> 376
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-F11
<400> 26221

gcgatgagag ccttgttcct cctgttcctc ttctgcatcg tgcattgtga gaaggaagag 60
tggaagggtca tcgatgcaa agcgttcggg cctggcgggt ccttcgacat caccaagttg 120
ggcgcccttcg gcaatggcaa gacagacagc acgaacgctg ttcaggaggc atgggcatcg 180
gcgtgcggcg gcaactggaa gcagacaatc ctcatacca aggggtgacta ccttgctcga 240
caactcaact tcacacgccc ttgcaagggc gacgtgacca tccatgtgga tggcaatctg 300
ctggcgacca cggacctaaa gcagtacaag gaccatggga attggatcga gattctacgt 360
gtggataacc tgggtca 376

<210> 26222
<211> 326
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-F2
<400> 26222

attgcatgaa cgacttcaag aatcccaagg tgatgaggta ttgaaagcag aagcaagtgc 60
gaagggtcac aggtttacag aatgggctct aaagtgtatc gggctgcatt cacgtgttcg 120
agagaacagg ggcaaaggaa accacgacac tgtaattgag gttcagcttc agttgtctgc 180
tttcaagata tttcttgatc ttgctgataa tgagcttacc gggaaggatt ttacggaggc 240
ttttgatgct gcatgcttcc ctcttacact cttttcaacc accttcgacc aaggatgggc 300
atcaagaata tcagcagctg cagtac 326

<210> 26223
 <211> 268
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-F3

 <400> 26223

 cccacgcgta cgggacgcgt ggtcggacgc gtgggcaggt gacgaggctc aagtgtgtgg 60
 gcttcggggct cgggtctgacc atgaaccact gcatgttcga cggcatcagc gccatggagt 120
 tcagcaactc gtgggcggag actgctcgcg gtgtctccga gtcaccgta ccgtcgttcc 180
 tggaccgaag cgttctaaat gctctcgacc cgtccgtgcc caccttacct caccacgagt 240
 tcgcctagat ccccgacgtc ttcgacac 268

<210> 26224
 <211> 449
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-F5

 <400> 26224

 cacgaggatg gtggcgctgg ccctggtggt cctcctggtg gcggcgacgg cgtcgggtgcc 60
 ggcgggccacc gcgtacggct gctacgacga ctgctacgag cgggtgcgcca acggcaagaa 120
 ggacgacccc gcctgcacca agatgtgcaa ccaggcgtgc ggcagcaccc acaagggcgc 180
 cgtcgccggc gcgcgggctt gatcgacccg ggcttcatcg gcgcgcgggc tcagctcgat 240
 atcagcatca tatacaatcg ctgctccgtc gctcacgtca gcccatgcat gatctctcga 300
 cccggcccat tgaatcttct acttctacta tagtatatct ttgttgagg tctttcgtct 360
 catacatga tccactcatc tttttttaa tcctaccatt aagtgagatg acctatataa 420
 atatatatat atgcatgatt cagtttttt 449

<210> 26225
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-E10

 <400> 26225

caccgaacag cagcaccaga ccagttgccc ggctcaccaa atccaggcgt ggccgtgcga 60
cgatccctcc cctcatggcg tcatcggcgg cgcgatccct cgcgctcgtc gcgtctgcct 120
cggcatcgct cggcgtcggg cagcggtcgt gggctcgtt ggctgtctct tcctcttcgg 180
ctgggtcggc cctccccaag ctccgcgggc tccgctcgtt cgcgcctcc gcagggggcg 240
cogtgatggg gaagccaggc cccggggtcg ttgacgccga cgcgggatg gacgccgtcc 300
agcggcggct catgtttgaa gacgagtga ttttagtgga tgaacaagac aatgtcatcg 360
gccacgagtc caagtataac tgccatctca tggagaagat agaagctgga aatgccctgc 420
acagagcttt cagtggtttc cttttcaact ccaaataatga g 461

<210> 26226

<211> 222

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-C4

<400> 26226

gagagagaga caccagcc gtccgagagc ggtcggtcgg ctgtgctggt ggacaaaaa 60
gggcgagcga ccgtgccatg catgcagcgc gctgacgagg cgctcggcac ggctccgac 120
cgctccgct ccaccaaccg aggattaggc gtcgtcgtcc tgtgccacag gcgccacgcc 180
cagatcgtgt accggctatt ggtgcgcgcg cgcgctcatg gc 222

<210> 26227

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-C5

<400> 26227

ggacaactgg cggcgcttcg ccgtcttcgt gcgcgcgatg aactgcgccg ggtcgtgccg 60
ggaggccgcg gagcgggagg cgcacggcgt cgcgcaggcc accgggtcgc tgggtgcacga 120
ggccgtcgtc gcgctgcgga tctgaccggc cgggacggta cgggacggaa cggaagccta 180
cgatcgactg tacatacagg ggttgggact tgttgggttt tcctttgggt ggagagcgag 240
ggagcgcagt cgagagccag cgagcagtct ctcgtgcagt gcagtgcagc tccggcgtag 300

atgagattgt attgtgacca agccgtgagg gaaagcatgg aggtgaggac aaagaagttt 360
 tgtcacgttt catgctccag gcattgccgg agtttgtccc gggaatatat cgatttcc 418

<210> 26228
 <211> 394
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-C6
 <400> 26228

gccacgcgtc cgaggaggag cctgcccgcg cctgcgcctg gttgtaattg tagctgacgc 60
 tcacccttca gttgaccacc gctgcggcag caatggcggc gagtcgccgg cagcaccgcc 120
 gcggcttccc gctgggtccc ctgctgctgt cgctcctggc ggccgccgcg tacggccgcc 180
 tcatctccga cggcggtccc cccgcgccgc tcctcccggt catccgcctc gcggcgccgc 240
 cggccgaggc cgagtgcgag cagacctacg gcttccctcc ctgcaccacc accgtgctcg 300
 gcaacctctt cctgggtgctg gcctacggct ttctcatgtt caaggcggcc acgttcctgt 360
 cggcgggcaa cgagctgctg ctagagatca tggg 394

<210> 26229
 <211> 398
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-C7
 <400> 26229

ccaagacaaa acatggctgt gaatgtgaga accatttggg cgtcgatgcg ggcacatgtt 60
 gcgatggctg tggcgttggg gttcttggtg agcggcgcat ggtgcggtec tcccaaagtc 120
 cccccaggca agaacatcac ggccacctat ggcaaggact ggttggaacg taaagcgaca 180
 tggatatggca agccgacggg tgccggtccc gacgacaacg gtggcggctg cgggtacaag 240
 gacgtgaaca agccccctt caatagcatg ggcgcacgcg gcaacatccc catcttcaag 300
 gatgggtctgn gttgtgggtc ctgcttcgag atcaagtgcg ataagcctgt ggagtgtccc 360
 ggcaagcccc tgggtggtgca catcacggac atgaacta 398

<210> 26230
 <211> 453
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-C8

 <400> 26230

 cgtagaaaag caagacgatg atgaaattca tccaaggcgg gtacctgccg ttctgcttct 60
 ggcttgtcct catggccttg atgatcacat ggactacgt ccacgtgatg aagtactggg 120
 acgagctgga ccacgtcgtg ccagccaacg aagtgacaac gctgcttgag aagcatgagg 180
 tgcggcggat ccccggggtg ggcctccttt actcggacct ggtccaaggc atcacccccg 240
 tgtttccacg tctggtgcag aggataccct ccgtgcacgc ggtcttcttg ttcattgtcca 300
 tcaagcacct gccgatccca cacgtggccc ctgtggagcg gttcctcttc cggcagggtcg 360
 gcccagagga gcaccgatg ttccggtgtg tggcgaggta tgggtactgt gacaagctag 420
 aggagtcggg gctggtaaaa ggttcctcat gga 453

<210> 26231
 <211> 70
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-C9

 <400> 26231

 aatccgtata tgggatctta atttgtacat taataagaaa caaagaatgt actaccact 60
 tattgcttct 70

<210> 26232
 <211> 344
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-D1

 <400> 26232

 ggaggtgccg acgcgggagc tgttcgacgc gtgcagcatg cgcaacatca ccagccggtg 60
 gcagagcggg cccaccatca tcgagctcac cgaccccggc gagcgcttct acttctgtgg 120

cgtcggcgag cactgcgagg ccggccagaa gctcgccatc aacgtgctcc tcgtcccgcc 180
gccgcccggg gacacggacg acgactgctc cagcgccgcc cgtctcccgg gccacgcggg 240
cgcggggctc gccgtcgtct gcatgtgcct cgtgtccgcg ctgctgacaa tggcgggtgtg 300
aatcggcacg ctgccgccgt agattattgg cgattgctgg ctga 344

<210> 26233

<211> 438

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-D10

<400> 26233

gcagcattac gaggccaaaa gtaagctgct gctgttcttc gacccgctcc gtccgggtcga 60
tgcgttcttt ccgccatgga ggctcggagg aagcccgcgg tgtgctgtgc ccttcttgtg 120
ctgctcatcg tcgcctccag cgcaacgggtg tcgactgctc atgacgagag ctgctggaag 180
gacgacgacc accaccctat ctgctttccc gaagactgcg tggcgacctg ccaggatcac 240
ggccacgcgg acggccgctg caactgggca tggctcgtgga ggccgtattg ccagtgcctg 300
ttggcggact gccaataggc gcgaacagct gcgtcgcatg gcgtcctggc tgccctcgccg 360
gccgatgaag gatgaacggt tgcngccgat gatcgatgtg tccgtcggca tgcgatcac 420
tcattganac cccctcta 438

<210> 26234

<211> 468

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-D11

<400> 26234

acggccactg cttgcgtctc tgtctctctg tctgctcgtg tttctgcttc tgcgactcgt 60
aggaggggtga ggtcttgctt gcctcgcgga atggcgggcg ccggggcatg gctggcccgt 120
gcgacggcga ctgcgggtgct gggtttcgtc ctggcggtgg cgtcagctga ggccggcatcg 180
ggggacgtgg agatggtttt cctcaaggcc gcgggtggcca aaggcgcagt gtgcttggac 240

ggcagccac cggtgtacca tttctctccc ggctccggtt ctggcgccaa taactgggtc 300
gtccacatgg agggaggaag gtggtgcagg aatcctgatg agtgtgcggt ccgcaagggc 360
aacttcaggg gtcctccaa attcatgaag ccactctcga tttcacggat attaggcggc 420
aaccaanaat ccaatcctga tttctacaac tggaatagag taaagatc 468

<210> 26235
<211> 462
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-D12
<400> 26235

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcggc gccgggacag gcgttgacac 60
cgttcggcgg cactggcgcg tacggcccggt caggggcagg cagcacggac tacaacgacg 120
ccgtcgcccc gcgcgccgcc gggctgcacg tgggtggctgc cctcgctctc gccgtcgccg 180
tcgccgcacc tctccaccgc taggggcgggt gccatggcaa ctgggagctg gcgggcacga 240
cactcgcaga cgggatcccc cctcggcggc ccgccagcgc gggctctggt cgatgtccgg 300
cgttagtgcg tgcgcgtacc tgatgaagtg atgatgggtt ttgatcgacc agccgtcagc 360
gtagtgcggt cacgggggtt acagtgttat tcgaactgac ctctctgctt cctcgtgcta 420
gtagtgggtg ctggcatgtg tgtgtgctgc tggtagagaa ct 462

<210> 26236
<211> 373
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-D2
<400> 26236

caacgagtgg gtaaagccca agccaggaac ctacgttaca aggctcacc gcttctccg 60
cgacactgtc ctgctgcacg ggcaagccgt gctgaaggcc ggtgggcatc aggctgcttc 120
ttctagctca tggcctggcc atgccaggtc gcgctggctg cgtttcattt catggaagaa 180
agcaaggatg gatcacaggt tgcgttctg ctaattaatc tacatacgtt tgccttcaag 240
tactgtgttg tggcattgtt acacatcaca gtacagtttg gtcaaatttt tttccacag 300

aggaagtang gattgatnta atcattgatt taatcccaca cgcgtgtatc tacgtataca 360
gtntgtataa cat 373

<210> 26237
<211> 315
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D3

<400> 26237

gttcagttgt agccgttgag acttgggagg caggcgacat ggggtggcggg aaggacgacg 60
gccacgatcc ctccaaggcg gacaagggat tccacggagg agggtagccg gccgccgccg 120
gtggatacta cggcggccag tccccggcg gcggctaccc tgctccaccg ggcggcggtg 180
cgtaccctcc cggccctggg taccgggtac cacctgggtg gtaccgcct ccgggtggct 240
accctcagcc tggcggatac ccgccgtcgc acggtgcgta cccggcgcct ggtgcaagcg 300
cgtattcttc cagcg 315

<210> 26238
<211> 266
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D4

<400> 26238

actagttcta gttccgtcgt gctggacctt gtcagagggt gtattttgag tcagaagaag 60
cgaaagcttg cattgtaacc tgtggaggcc tttgccctgg gctcaatact gtcacagag 120
agttggtttg tggcttgtcc cacatgtaca acgtagcaa tgtcttcgga atacataatg 180
ggtacaaggg gttctattcg agcaattatc ttcccatgac accaaagagt gtgaatgata 240
tccacaaacg aggtggtaca gttctt 266

<210> 26239
<211> 214
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D6

<400> 26239

aaatgagtga agggtagatg ctgatctgaa aaatatgtgt gttccccctt ctttgcttcc 60
atgtcgtgtt gtttcaggta accgtcacao tatatatagg tgggtcccctt tggaatccgg 120
ggattattcc gtttgctgta tttttttctg tgaaaatgaa ctgattcctg tcaaaaaata 180
aaataaatta attttaataa aaaataataa ataa 214

<210> 26240

<211> 269

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D7

<400> 26240

ccacatccaa gtgaggaaag ttcaggtctg atgtgccggg ggaattggt cgtctgagaa 60
attttgatag cgccgcctga tgtgttatca tcattatatg tgtaatttta ctgttttacc 120
aggagattgc tacgtcgagt tatatgttgt gtcgaattca cgtgtaggct ctgaatcttg 180
actgtgttcg ttcattttcg cttgtttcac actgaagtgt tataagctca actttactgc 240
tttaaaaaaa aaaataaaaa taatataat 269

<210> 26241

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D8

<400> 26241

caccacctct gctgaacgag aaattgtaag agacatcaag gaaaagcttg catatgtggc 60
gcttgaatac gaccaggagc tcgagaatgc caagagcagc tcatctgtgg agaagagcta 120
cgagctgcct gatggtcagg tgatcaccat tggggcagag aggttcagat gccctgaggt 180
cctcttccag ccttccttca ttgggtatgga agctcctggc atccatgaga ccacctacaa 240
ctccatcatg aagtgcgatg tcgacatcag gaaggacttg tatggtaaca ttgtgctcag 300
tggtggcacg accatgttcc ctggtattgc ggaccgtatg agcaaggaga tcaactgcct 360
tgccccaac agcatgaaaa tcaaagtggg ggca 394

<210> 26242
 <211> 469
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-D9

 <400> 26242

cggacgcgtg ggcggacgcg tgggaggacg cgtgggagcg agcaccgcgc gtcgggagac 60
 ggtggcgcca tgggtggctg ccaactccgc atcgcgcca ccaagctgaa gattctgcgc 120
 cgcgaggcc ggggtgccg tgcgtcctc cccgtcacca accacgacg cccgtgctgc 180
 tcctccgacc acggcagcaa ggagaagaag aagaaaaaga agggcgccag gaaggcagc 240
 aaacgcgcct ccattctggg cgacgcgcgc accttcgacc cggacttctc gcggcggtac 300
 cggctcggcg cggagctcgg gcgcggcgag ttcggcgctc cgaggcggcg cgaggacgcc 360
 gtcacggggg aggccctggc gtgcaagacg atccggcgga agcggctgct cctgcgcctc 420
 gccgggcccg acgcgaccga cgtgcagcgc gaggtggaga tcacgcggc 469

<210> 26243
 <211> 250
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-E1

 <400> 26243

ctgtggttca aggaacacag atttatgcct gcatgtatcg cttccaaatc gatatgtcga 60
 ggtacggaat cttgtagagg ctccatgatg catacatgca aattcccgc ttccaagccg 120
 cgcttttctaa aaatcaacca gactcacctt catgataaac atcaatatta tctcaatcat 180
 tctcatgtca ttttgcaata atttgtatag ggagccactg ctttctttat accgttgttt 240
 atcaaaaggg 250

<210> 26244
 <211> 356
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-C3

<400> 26244

cacgtacgtt gaacaaacac ccaaggcctg acgagacgag atccggacct ccgtectccc 60
gactagggcg cgcgcgcgac ctccggcaccg gcggcctcga tccatcggtc tctcggtacc 120
ccgccagtgc atgccctgga acggacggac ggaatggcag cgtcgccgga ccacctcttc 180
ggcctgcgca acagcttcta cgtcggcgca taccacgccg tcataccag cagccagtcc 240
ctccccgcgc acgcgctctc cccgacgac ctctcgagc gcgacgccct catgtaccgc 300
tcctacatcg ccacggctc ctaccagctg gtgatcggcg agatcgggcc cagcgc 356

<210> 26245

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B1

<400> 26245

tgctcggcgt gctgcaacgg cttccgattt gcccggttag atgaaagacg gctggggagc 60
gtcttctctg gggaacaccg cgcgtcatgg gtgccttgcc gaagttcagg gacggcgtga 120
ttgctcatcg tcgttcatgc tccaccgtgg cgcacccat ctccgtgggc agtgggctgc 180
atcgtccaat cgaccgcgcg aggacacgtg tcactgaaa agcaagttgg tacctgaaat 240
ctcaagtgcc aggtcaagat caggactcgc aggatgaggc gcatgggtga tgctgtgatg 300
agttcgtgag tggcttaggc cgtcgtctcc cagtcaactt tggtttgctg gaccgttctc 360
tccttataat gtaattattt atttt 385

<210> 26246

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B10

<400> 26246

cccacgcgtc cggcaatctt cttttgaatg caaggcttca agtcacgggtg aagaacattt 60
gctgaatgta tataacttcaa gccacgaaga atttgataaa gaaaatactg acagtgtctc 120
tctgacaaag cttgatttga acgaataatt tgatgcagat cagtatccat caattcatat 180

gcaatataca catcattgaa tgcagccctc tgcgcaggag gtatgatatc cttatttgca 240
tatgaattga tggatactga cagtgtcctc ctgacaaagc ttgatttgaa cgaataattt 300
gatgcagatc agtatccatc aattcatatg caatatacac atcattgaat gcaagcctct 360
gcgcaggagg tatgatatcc cttattgcaa caatattctc gtggtccatg tggcggagca 420
acttgatctc gccgaacgtg 440

<210> 26247

<211> 337

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B11

<400> 26247

tgcaagggag ctcatggca tgcttttagat tatcgatggt gacaattatc cagaggccct 60
gggccgcatg tacatcatca atgcaggcca cggataccgg cttctatggg acagcgtcta 120
gagcaacctt gacccaaaga cactgcaaa gattcatgtt ctgggtaaca agtatcatag 180
caagcttctc gaggtgattg atgctagtga gttgccagaa attttaggtg gaacctgcca 240
atgtgaatgt ggggtgcatga aggttttcaa aggcctttgc aatgaccccg aaatcatgac 300
gatggagcac agtggagatg ggaggtgttg atcactc 337

<210> 26248

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B2

<400> 26248

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggcg gacgcgtggg 60
cggacgcggg gcggaagagg ggatttcgag ccgcggcgat cggggctaga gtggccctcg 120
acgcgtccgc ggggtggaatt gccgagaagc cgagagagag gggttggagc ggagttgcgg 180
gaggtgggag agaaggcggc gatggggcgc ctgttcctga tgcacctgga cggcaacgtc 240
tacagctgca agcactgtaa gaccacctc ggcgttggca gcgacatcat ctccaaggcc 300
ttccagtgca tgcacggcaa gggcgtacct ctttcataaa ggtgtcaacg tgacttctgg 360

agtaa

365

<210> 26249
<211> 392
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-B3

<400> 26249

cccacgcgtc cgcaccgaat tccttgcgat tccttctccc tcgcctcctc gtctccccct 60
aggggatcgt cggagaggaa tcgcaaagag ggccgtctca tccgagttaa ggaagccatg 120
gagcacaagg aggctgggtg ccaggccccc gagggacca tcctctgcat caataactgt 180
ggcttcttcg gcagcgcggc gaccatgaac atgtgctcta agtgccacaa ggagatgata 240
acgaagcagg atcaggccaa gctggctgcc tncctatcgc acagcatcgt gaacggcagc 300
gacgccgtca tggagccggt tgttgctggc agcaacacgg tagtagctgt tgcccaagtc 360
gaggttgcaa caatgaacgt gcaacaaccc gc 392

<210> 26250
<211> 338
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B4

<400> 26250

ggaattgatg cggagcttcg actggacacg gggaagctat cccgaccgcc aatttgatga 60
acggccagtc ggaactcggg caatggctca ccggaggagt ggcgtccgtc gcgggccgcg 120
ttccatcgtg ggcgttcgtc tccgtgcccg aatccgtggt caagaacatg taccacatga 180
tgagacgcat ggaagatggt gcgatgtgtt cgtgagaggt ctaggccgtc gtctcccagt 240
caacttcggg ttgctggatc gttgtctcct ttcaatgtaa ttatttattt atcttgttca 300
aaactcctat tgcataataa agttgtgaca ttcgtttt 338

<210> 26251
<211> 478
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B5

<400> 26251

gcgcgttcca gtgccgaagt catcacctc accgaagaga ctttctccga caagataaag 60
gagaaggaca cgggtgtggtt tgtgcagttc tgcgtcccct ggtgtaaaca ctgcaagaac 120
cttggaaacac tatgggagga cctgggaaag gttatggaag gtgcggatga aattgagatt 180
gggcaagttg actgtggtgt cagcaaacca gtatgtctaa aggtcgatat aactcctac 240
ccaacattca aggtgtttta tgaaggcgaa gaagtagtaa aatataaagg acctaggaat 300
gtggaatcgc tgaagaactt cgtgttgaat gaagctgaaa aagcaagtga agcaaagctt 360
caagctgatt gaagcatggg agtttcagca agcatgtggc gtaaacaagg aacaatgctg 420
tgcaacattg tcttctatcc tgtcattaca aagccaattt acaggaaaga aatgatct 478

<210> 26252

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B7

<400> 26252

agcctgccct gccctgcctt gttaagcaaa gcaaccacgc tgcgagacac gagagctagc 60
tagagagaga tggcggccac ggtttcgtcc ttcccgggtg tgaacatgga gaagctggag 120
accgaggaga gggccacggc catggaggtc atccgcgacg gctgcgagaa ctggggcttc 180
ttcgagctgc tgaaccacgg catctcgac gagctgatgg acgaggtgga gcggctgacc 240
aaggcgcact acgccacctt ccgggaggcc aagttccagg agttcgcggc ccggacgctg 300
gaggccggcg agaagggcgc cgacgtcaag gacgtggact gtgagagcac cttcttcgt 359

<210> 26253

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B8

<400> 26253

cgcgctgca accttgcaaa acaggccttc gatgaggcga tctctgagct agacagcctg 60
 ggagaggagt cctacaagga cagcactctg atcatgcagc tcctgcgcga caacttgacc 120
 ctatggactt cgcacaccaa cgaggatggc ggcgacgaga tcaaggatgc tgctgccccg 180
 aaagaatctg cggaggggtca gtaagatgga ttcagtctca cgacctgctg ctgctgatgt 240
 tgaggagtga ccagaaccag aaccgtcgtc ctcgattctg atagattatc ttctagtata 300
 ccttgtgttg tcgttgtcgt cggcgcgacg atcgtcgctg tcgtcgcgcc ggtgtatgcg 360
 atgaacctgc cattgctgct gtttaattaa gcattctaga tggatataccg catgctttgt 420
 ttcggtttct atgt 434

<210> 26254
 <211> 458
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-B9
 <400> 26254

acttgctcct cctcgcgagc tcagctcgcg caccgccgca gacagcgccg ccgcgctctc 60
 ctgctccctt tccgctttgc cgccaccac tgctgcggc cgccgcaggc acccatggc 120
 cccgaccggg cggctcctcg cggtagccgc cctctccttc ctatgtctgc aggggccgtg 180
 gggagattca ggcagcgcat ttgctcagag ccagccgccg cttcaccgga ccgttcgcgc 240
 agaggcaaat gacggcgggc gcctcatgcc ggagctcccg cccagcggcc tcatgccccat 300
 gccggagctc tcaccagcg gctctccac gccatttgtc cccttctggt cgcccgctcc 360
 gctcgcgcca ttctttaaca acagcacgcc aaagctctca ggaaaatgca cgctgaactt 420
 taccgctgtc gacaaactca tgaccaccac agctgtcg 458

<210> 26255
 <211> 291
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-C1
 <400> 26255

ccaacgctta cgacatatgg gacactggat tgaagacatc gatcggtcc tgtgaacgtg 60

cgtgagatca gctggcaaga gatcctacgc gagctcatac gcaatggcag ccgctcagca 120
 ggatcctcaa cagcagcata aacccaacct gtatcccaac gagtctggcc aacgtgcaat 180
 gcctcgtgca acgtctgtgc atacctcatc ggatcgatga tcgtcccat tctcagacaa 240
 agtctgacac aacgcctgat gactgacctc atgaatgaac acttgacga c 291

<210> 26256
 <211> 465
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-C10

 <400> 26256

gcgccgccgc cgccaggcga ccattctaca tccagcacgg gcgtgcggcc ctcggtcggc 60
 gtggggcgcg ggcggccatg acggctcgaa cgcggtagcc acggccccga cgtctcccg 120
 cccggcgcggt caccctgtgg tcggcgggcc cccggcctca acggctcgga ggcgcgactc 180
 cctgcgacgc gcggcctctt ggccccggcg gctcggggcg gggcgccac ggcgcgcggc 240
 cccccggccc cggcggcacg ggcgcgactg cctgcgacgc gcggcccccc cgccccggcg 300
 ggctcggggcg aaggccctcg acgcgcactg gtgaggcgcg gcagccttcc gcgcttgggc 360
 acggtggccg gccaggcggg ccacagccag cgcggggcgcg cagtcccgcg ggcttagagc 420
 ccgccccggt ttacacggg cacgacggcg ttgcccccg ggccc 465

<210> 26257
 <211> 331
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-C11

 <400> 26257

caaaccctc atccccatga gaccttacga gttggagcaa ggctcagtgc ccgctgccc 60
 gggcgtgccg agcgatgcca tggaggcgcg cgtccctggg cgtcgtcacg tcctcactcc 120
 ttgtccgact gcctgtcgcc ttgtctcgca ttgcaggctg tagacaacag acgagcagta 180
 gcagcatcac gaggcggccg ggccccggcc acgccatgcc ggagaaggag gcgcaagccg 240
 ccgcgttctg cggctaggca gtgatcgccg agttcgagtc cctcacgcgg gacgccgcct 300

tcgtgcagcg ctacacgctg cgccggatcc t

331

<210> 26258

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-C12

<400> 26258

gctaccctcg tcgtcgtctc actcaccctcg ccttcacgcc tccctcacca aataaggtcc 60
cgcccttttc cgacattcac agggggggaca ggaaatcagc ggccatggcc tcgattccgg 120
cgacgacctt cgccgtcatc ttatccgtcc ttttctgtgc cgcggtggc accgccgtcg 180
acaacgacct ccccgactac gtcattccagg gccggtcta ctgcgacacc tgccgcgccg 240
ggttcgtgac caatgtcacc gagtacatcg cgggcgccaa ggtgaagctg gaggcgaagc 300
acttcggcac cggcaagctc gagcgctcca tcgacggggg gaccgacgcg aacggcacgt 360
acacgatcga gctcaaagac agccacgagg aagacatctg cgaggtggtc ttggtgg 417

<210> 26259

<211> 319

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-C2

<400> 26259

cggacgcgtg ggccgacgac gactcgccgc actcctcatc agactccccg acggcggact 60
ggtcttcacc tgccgaggca gcggcggtc acgtcacgt ctatcaccag cagcagcaag 120
aggagcagca gaatgggggc aagcacaaag gcagctgggc tcgaggacga gctggcacgg 180
cgaccaagct gcacatcacg gcgccgcaga gccccagtc ggctcccgcg ggcatggccg 240
gcggccactt cgacccgacc agcccccgcc cgtcgtcgtc gtcccagaag cagtgccctt 300
ncagcccccg cagcaggca 319

<210> 26260

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-A9

<400> 26260

cccacgcgtc cgccccgctc tgtgctaata ctcttgctga gaaaggaggc aagaacttca 60
tgattgattt catgatgggc ggtgtttcag ctgctgtttc aaagactgct gctgctccca 120
tcgagcgtgt gaagctgctt attcagaacc aagatgagat gattaagtct ggtaggctat 180
cagagccgta caaggggtatt gttgactgct tcaaacgtac cattaaggat gaaggtttct 240
cttccttggtg gaggggtaac actgctaata ttattcggtt cttccctact caggctttga 300
actttgcatt taaggactac ttcaagaggt tgttcaactt caagaaggat agggatggct 360
attggaagtg gtttgctggc aacctggcct ctggtgggtg tgctgggtgct tcctcttntg 420
tttttggtga ctccctggac tacgcgagaa 450

<210> 26261
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-G4

<400> 26261

cccacgcgtc cgccccacgcg tccgccctac tccgcctcaa ggctctcctc tcggagcgct 60
gatttgcaac ccaataatgg cagaagtcct atcaggatct catgaacacc gtctaagctc 120
tgccttagat ggacactacc acgagaagag gaaatccaat gtggaataca cagaggacga 180
gaagaaagcc gtgatcgcgg ctctgaaaaa gaaggctctg agcgccctcac agaagtttag 240
gcattccatg aagaggggga cgaagagcag caaggtgatg tccatctcga ttctggatga 300
gcgtgaacc 309

<210> 26262
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-G5

<400> 26262

ggagaacagg gtattcctgc attggatcct caacagtata tggaacaat gcaacaggtc 60
 atgctaaacc ctcagtttgt gtcaatggca gagcgtcttg ggaatgccct tatgcaggat 120
 cctgctatgt ccagtatgct tgagaacttg accagtccag ctcataagga gcagcttgag 180
 gagaggatgg cccgtatcaa ggaagatcca tccttgaagc caattcttga tgagatagag 240
 aatgggggtc catctgcaat ggtgaagtat tggaatgacc ctgaggttct tcaaaagatt 300
 ggccaggcaa tgggtgtaa ccttcccga gattctagt tgtccactgt gctctctgga 360
 cccgaagaga c 371

<210> 26263
 <211> 403
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-G6

<400> 26263
 cggtagcctc ctgagggcgc tgggtgctgcg tgcggcgtcg tctgcgggca ggcgccgggg 60
 gcccaggatt ctgtgtggcc gcgcgacgga tgtgcgcgtg acgccacggc acggacacgg 120
 ctggcgcggg ttccggggcg tcacgggaag gatgatgctg gactcctctg agtctgcctc 180
 ttccgccgcc gccgccgccg cggaggcggg agctggggcg gtggcaggcc aggcgcagcc 240
 gcagcgccgc gcggtggggg ccgtgcccc a ggcgcacgat ggtggctacg ccagcgggcg 300
 atgggagaga gaagatggta aactgagttg tggatactca agttttagag ggaagagagc 360
 tacaatggag gatttctatg atgtaaaact aactgaaatt gat 403

<210> 26264
 <211> 375
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-G7

<400> 26264
 acgcttatac cttcctacat acccttggca atttcatggt tccaccaacc acctttgttg 60
 ggggggtctt ttatttcata tccgcctaaa taaaatggat ttttgcttgt cttaggcatg 120
 gactggaatt atgtccta at ggaacaattg catcgcttag atctaacggc ttctaacatt 180

ccatcatttc gtatgtagct acattttgtc tccaataccc atgatttgct agctacataa 240
tattttctaatt ttttctaatt attagataat aagttcatag tacatgaata ctgcaatcag 300
tccccgatcc ttgtggcatc tatgtcaaac acttaactac tcaaaacata cattggacaa 360
atgcgagctc atata 375

<210> 26265
<211> 175
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-H10
<400> 26265

cccacgcgtc cgcccacgcg tccgccctcg cgtccgcgga cacgtggacg gacgcgggag 60
gcctatcaaa caccctggcc cccccacn cggangtncn ccaccaaccc tctcctggcc 120
gccgactacc gctagcacac cctgcaccac aggcagcgac ccccccgca gcagg 175

<210> 26266
<211> 167
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-040-Q1-K1-H12
<400> 26266

gagacacacg tgcgggatga tttgctatat cgtggggcca cgtaacggca gacacctagct 60
ttctttgtaa acaggaggat gtggaaagt ggctgcgtat gctttgcggc catgtgcatg 120
gataatcttg ctgctcgctt gaaagaaaaa aaggccgac ttaagac 167

<210> 26267
<211> 392
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-040-Q1-K1-H5
<400> 26267

ggaccttcgg cgcccgttca ggatccatat cttcccagac gagttcttgg ttgacctgtt 60
cctcttcgga ccacctccaa ggctcttggg gtagcttgcc actctcacca atcaagtttt 120

catgtctgat ctgcacattc agatcccaac tgccttcgat cccttcgctg aggccaatgc 180
 tggggactct ggtgcggcag caggggtcaaa ggactacgta cacgtgcgca tccagcagcg 240
 taatggctgc aagagcctga ccaccgtcca gggattgaag aaggagtcca gctacagcaa 300
 gatcctcaaa gatctcaaga aagagttctg ctgcaatggg acagtgggtcc aggacccaaa 360
 acttggacag gtcattcagc tccaggggtga tc 392

<210> 26268

<211> 247

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-H7

<400> 26268

cttggggaaa agaaatcaac ttcttaacca acttcttaag aagcggatgg acaagcttga 60
 cactgtcttt ttctgcccc ttctgcaacc acgggagtag tgttgagtgc cgaattgaca 120
 tgaagaatct gattggcgaa gcatcttgta gaatctgtca ggaaaacttc agcacaactg 180
 ttaatgcact cactgagcct attgatatat atagtgaatg gattgatgag tgtgagcgtg 240
 tcaacac 247

<210> 26269

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A1

<400> 26269

cgccgagttc ttctgcccc accacttccc gcagttcatg gagttcgtgc gaagcgtcgt 60
 gtgcggcgag tgggacgagg acgacggccc cgccgacgag gagcgtggca tgactgtgtc 120
 aggcaatacc agatccaggg aggccaaggc ggtttgaagc ttcaactcat cgccgcccc 180
 gccatatctc agtcagctgt ctctttttat ttttgaagtg ccaaatact tgcaaatttc 240
 cgctgctact agatttagct gagaagaacg agatgatcca tgtattagtg gatcaggagt 300
 tgcaaatgtg ggatcccaca tgcatttttt ctttt 335

<210> 26270
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A11

<400> 26270

```
cccacgcgtc cggcaatttg aacatctgaa agtgtagtgc tgagatgctt tgacacaaaa 60
ggttttgatg gcattaaacc actctcctgg gtacctagaa gacaatccca ctcggtgtct 120
agttcatcca tattgggtgc agcaagagca atgacatttc tacatttgat caatggcaat 180
ggtagcgttt tgtgatgcag taattctgta ataccttctg gcaacagtgc catctcattt 240
cggtcaccag tgtaattggt tcccatgagt tgactaaggt aatcttcaaa ttcttcatca 300
ggagccagac gaactccaaa tgctttcgcg acaccagcca aagaaacgtc tgaatgtaac 360
ggcccgcgtt ggccttcttg gtgagcggcg catggtgcgg tccttccaaa agcccccc 418
```

<210> 26271
 <211> 389
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-A12

<400> 26271

```
cccacgcgtc cgcccacgcg tccgtccacg cgtccgcgga cgcggtgggt gccgggcca 60
tggcgagagg tacagcccgg catcaaggcc gcgcgcgcgg gcagcgcca cgaactccct 120
caccacgtcg acgcggcccc cgcgccaggg gctggcgcgc acggagtggg ccgcgtagtc 180
ggacggacag aggcagaacc cgtcgtggtg cttggcgacg aggatgacga gcgaggcccc 240
cgccgtccgc gccgcgtgca tccactgggt ggcgttgagc cccgcggggc ggaacaggga 300
cgggtcctnc gaccccgtag cccactcgga gtccgtgaac gtgttcatgc cgaaatggaa 360
gaacatgata acctcgcggc gctgtcatc 389
```

<210> 26272
 <211> 370
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A2

<400> 26272

cacacgcgtc cgctaactag aagcaatact gatggcccaa aacatgatga ttgtgatggg 60
gctcctgctt tccacctttc tcgtggtggc aagatccttg tgggttccag acgaaccctt 120
aaatgcggtat gacataatag gtgcttgcac tgatgagtgc accaactaaa ataaggcttc 180
tggcgactag aagacattcg aagtgttgtg caccaagctc acaaaaaagc ctagcgaaga 240
aggcaatcat gattgacgaa gtacaactcc gatgatatat acactattgg atcactgggc 300
atctttgtag ccatgtctac tacactatgg gcctgattat atcgtcttat tgtgtgggtt 360
tgggtttcca 370

<210> 26273

<211> 245

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A3

<400> 26273

accaaggcag ctgccaaaaa gaaatgatgc aacctgtcgt taatcctgta tctgcttttg 60
gaatacctga cttgtcactc catcccgaag ttttgtatgc ggttggttact gttattgtgt 120
actgttaagc tctgctgcgg cgtgccctgt tgtttgggta gcgtcaacgt cgagcgccac 180
ttgcgggtgt gcctttgtct gctatcagta gcggcaaaaa ttgaaagctc tcgagactta 240
tgtcc 245

<210> 26274

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A4

<400> 26274

gaagcaaacc gagaggtgaa ccagcagcct ccaatataag ccagcacatc caaataaaaag 60
ggagaggcct cagccctcag gctagccgac cgtcgacgta ccaccgcgcc aacccgagag 120
aaagatggag atgatcaaga ggatcctcat cgacgcgctc ctcgtagtcg ccgactggga 180

caccgcagtg ctgg

194

<210> 26275
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A5

<400> 26275

atcctgagtg gttctgggtc tcatatgcgc acgcatatTT ttgttcttat tcctatgtct 60
gcatttcggg cagtgaagc aattgagcgc gggttcctaaa ctcgatcct gcattttggt 120
tcggcgatat gtgttggtgt taccagttgc tgcagcgata cttccaattt ctgcgccgat 180
gggtttcttc gttttcttct tattttgttt cctcgtcgtc gcagcctgca aattggtagt 240
ttcttggttc ttatcagtg agctggcttt ggaatttgca ggcaccgatc tgagctgcgc 300
tggtgctcct ggaaaggtgt tggcgctgga aagtggcagt gatgactagc tttccttcgt 360
agagcctgtc ggggacactc aacctgaaga actacaggct ttgcactttc atat 414

<210> 26276
<211> 476
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-A6

<400> 26276

ggagagccag gtccccagga tgtgcctgga cctgtacagg gagtatggga ccacaatggc 60
cggcctcaag gttttggggg acggtttcga ctacgacgac ttccacgcct gcgtgcacgc 120
gacgctgccg tacgagaagg tgaagcctga cccggtgctc aggcagctgc tgctttccct 180
gccgcagagg aagatcatct tcaccaactc cgacaaggcc cacgcggcca gagtcctgga 240
gaagctcggc ctccaggact gcttccaagg gatcgtctgc ttcgagacac tgaaccgcc 300
accaaccgag aagaacagtg gcggcagtgc tgggacgatc ctgtgcaagn cctcgtcggc 360
gtncatggaa gccgtcatcg agatcgcaa gctcgacgcc gaaagaacgg tgttcttgac 420
gacagcgcgc gcaacatcgc gcaggaagg ccgcccgttt cgcacctcat cgtggg 476

<210> 26277
 <211> 291
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-G2

 <400> 26277

 gaaaaagtca aaggccatcg atccgaaacc ttccggccct ggtgggtcct ccgacatcaa 60
 ccaattgggc gcctccggca atggcaagac agacagcacg aaggctgtgc angaggcatg 120
 ggcatcggcg tgcggcggca ctgggaagca gacaatcctc atacccaang gcgacttcct 180
 tgtcggacaa ctcaacttca caagcccttg caagggcgac gtgaccatcc aggtggatgg 240
 caatctgctg gcgaccacgg acctaagcca gtacaaggac catggtaatt g 291

<210> 26278
 <211> 237
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-A7

 <400> 26278

 actgcctaca ccacttgata gacagtgttg ggcttccatt cggcggggat gacgtgcgtc 60
 gtagacagtc ttagtgctc cctcgggtgt gagtcggacg gtgatggaag cccaacactg 120
 cctacaccac ttgatagacc tttttatatt ttttattcaa taaaaggata taaggtgtgt 180
 gacaacaaca caaatattgt attatctatg tatctcctat gcaatcccaa ttttatc 237

<210> 26279
 <211> 407
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-A8

 <400> 26279

 cggacgcgtg ggcggacgcg tgggcggacg cgtgggcggg atggaagctg ccggcatcca 60
 cgagaccacc tacaactcca tcatgaagtg cgacgtggat attaggaagg atctgtacgg 120
 caacatcgtc ctctccggtg gcaccacat gttccctggg atcgctgaca ggatgagcaa 180

ggagatcact gccctggctc ccagcagcat gaagatcaag gtggtcgctc ctccagagag 240
gaagtacagt gtctggatcg gaggatccat cctggcatcc ctgagcacct tccagcagat 300
gtggatcgcc aaggccgagt acgacgagtc cggcccatcc aatcgccaca ggaaatgctt 360
ctaatttctt gggcccgaga aatgcaagcc gtgggggagc cgttacc 407

<210> 26280
<211> 363
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-040-Q1-K1-E12
<400> 26280

cccacgcgtc cgcccacgcg tccggcttcc cggaccggct gcggttactg gtgtaggggg 60
cctaccaccg cccgcgccgc ttcacgccgg ggttcgtgct ccgcgacctc atccagtatc 120
tgtacagcga caaagtagaa gagaagaagg agctgatcaa ggggataacg ctcggttaaca 180
aagacaaatt ccagcttacg cctctgcccc agcaagttct tgtgttatgg ggagagcacg 240
atcagatatt ccctgtcgag aaggcatttg aagtggcaag ggaacttggc gcaaagtcta 300
agttggaggt gctcgaggac accggccaca tgccccagga agaggatccg aagcggttca 360
acg 363

<210> 26281
<211> 140
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-E3
<400> 26281

tagttcatcg gtcttgctaa ttgttgatgg gtgcttcatt aatttgattt gatgggtctc 60
atggctacta gaaacaaaac tacttttgat aaaatgcang gcatgaaaag cgtttctgca 120
gtccttaaatt tgctcgtttt 140

<210> 26282
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-E4

<400> 26282

ccctccctcc ctacacaaa taataatgta aagggtccgc ctttttctc cgacatcggc 60
aagggggggag gggaaaacac gtacattcac ccggcgggcaa taatggcctc gggtccggct 120
ccggcgacga cgaccgccc cgatcactta tgcctatgag tcgtcctctc ctgtgccgag 180
gctgacgacc cgaacctccc cgactacgtc atccagggcc gcgtgtactg cgacacctgc 240
cgcgccgggt tcgtgaccaa cgtcaccgag tacatcgagg gcgccaaggc gaggtctggg 300
tgcaagcact tcggcaccgg caagctcgag cgcgccatcg acggagtcac cgacgcgacc 360
ggcacctaca cgatcgagc 379

<210> 26283

<211> 277

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-E5

<400> 26283

cccacgcgtc cggcttgcta gttgagctct tattatgttc ttgttcttgt tcctgggggg 60
atcgctctcg tgtggcggtg ttgatgtaca tgtcagggtc gtgttgatg cgctgggatg 120
ggagattaca taagatgcta cagagatcga ttcatacgta gaaagaggac cggactccgc 180
cgagtatccg agtgttctgg actcagatct gtcgtggca gaaactagat gcaaatgaat 240
catgttcact aagacaaaaa tgaccgaata catcccg 277

<210> 26284

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-E6

<400> 26284

cccacgcgtc cgactagatc tgatatctca tgttgaatct tcccatggg atagtggac 60
agattaacaa aatgaactta ttgaatcacc tgctgagatg ctctatggat cgattcatgt 120
tcggtctact actacaagtg aagggtgtc cgcattgctg gataagtaca ggaacgttga 180

gttcggcaga tgcctcttag tgtattgcag cggccaacca tgcctttctg tcgggcaatc 240
 ggatgtttct cgtacaagta cggcgaagat ttactgccct acatgtgaag acatctacac 300
 tgcaagatcc aaatatgtaa gcaacatcga cggcacttac tgtgtgacaa cattccccca 360
 cttgttctctg atgacatacc cg 382

<210> 26285
 <211> 353
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-E7
 <400> 26285

cggacgcgtg ggccgacgcc ttggcgcttt gagccgangc cgccaacaaa aaccagggtgg 60
 gcgttacccc tcggcctgcc aatgccttca tcggcctcat gtacgggctg ttccgggtca 120
 tgggctacgt cccgttcggg gacgccacgc gggacatcat caccaccaac ctcggagccc 180
 ggtggctgtc ggccgcccgtg cagctggggc tctgcatcaa cctcttcttc acgatgccgg 240
 tgatgatgaa ccccggtgtac gaggtcgccg agcgctgct ccacggcaag cgggtactgct 300
 ggtggcttaa gtggctgctg gtcgtcgtcg tcggactcgc cgccatgtac gtg 353

<210> 26286
 <211> 311
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-E9
 <400> 26286

tcgnccacgc gttcggccac gcgttcgagc ttaccaagag agccagggtg tggccaagag 60
 gggccaatca ggccaacggt ccaggaaaaa tccaacctta ccaacacagc agcagcaagc 120
 cccaccggtt cgacgacatg gcccgctcgg cgcccgcgcc gtgttggcgc tcctagtggc 180
 ggtcgcgcg gtggccgctg tcctcgcggt gccggcctcg gcgaagtccg gggagctgag 240
 cgcgatgggg ttgctggcgg cgaaggcgcg cagcggcgcg ggcccgcaga agtgctcggg 300
 cgcggtgggc g 311

<210> 26287
 <211> 389
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-F10

 <400> 26287

```

ctgtatcgca ttgcttgccg gaggcgtgat aggcacacac gtacagccat ggcgaacgcg   60
tcgttcggcc tggcgggtgag cgacgagtgc aagggtgaagt tccgggatct gaaggcgcgg   120
cggagcttcc ggttcacgtg gttcaggatc gacgacaagg acatggagat caagggtggac   180
cgcctcggcg agccgaacca gggctacggc gacttcaccg acagcctccc cgccgacgag   240
tgccgctacg ccattctacga cctcgacttc accaccgtcg agaactgccg gaagagcaag   300
atctttcttct tctcctggtc cctgatact gcacgcaccc ggagcaagat gctgtacgcc   360
agctccaagg acaggttcan gagggagct                                     389
  
```

<210> 26288
 <211> 389
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-040-Q1-K1-F11

 <400> 26288

```

cggacgcgta cgcggacgcg tgggctgtcg agacctgatt cgacatcgag atcgacggca   60
agtttgcagg ccggatcgtg ctggcactgt ttggggacac cgttcctaaa actgcagaga   120
acttccgagc actttgcaca ggggagaaaag gaattgccaa ctccggcaag cctgtgtggt   180
acaaggggtc gacgttccac aggatcatcc cggggttcat gatccaggga ggcgacttca   240
ccaacggcaa cggcacgggg ggcgagtcca tctacggcag caccatcttc tccgacgaga   300
acttcaagca caccacgct aaagccggtg cgctgtccat ggctaactac gggcccgcact   360
ccaatggctc ccagttcttc atcaccacc                                     389
  
```

<210> 26289
 <211> 388
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F12

<400> 26289

cggacgcgtc cggtgacccc gccacctac acaccggcga tcacgcccac caagaaggag 60

gactacaagc cgaagccgac gccggaggcc gccaccgcgg cgaactacgc gtcgttgtgg 120

tcgcccgaagc gcctcatgca gcgcgctgcc cgcgctttcc gccgcagcag gtcgcgcgcc 180

cgcgtcagga cggtaagga cctcgccgag gaacgggcct cagtgtctgc cgccagcagc 240

aagggtctctg atgaggcggc ggcgggcggt accgcgggtgc cgctgcagg tgccaagacc 300

tgcagcagca acgatgcccc cgacggcgcc atgggcagcg tgcaggacga gccggcgag 360

cagcgccacg atgactatta ccccgaga 388

<210> 26290

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F2

<400> 26290

tcggccacgc gttcgattcc aggaagccag tttgatggtg ctgggactta attgggcacc 60

gagtctttat ggtattttac tggctgaccc cccaccaac tctggcgga acacaaagt 120

ttgatttgca ggcattccgt tttagtgcac acatagagtt tctgaggcaa tcaagagttg 180

ttcgaccggc gcttctggtg tcaatattat gtgcttacia gaagcctgga caatgccttt 240

tgccttctgc acacgcgaga aaagatggtg tgaatttgct gaaccagttg atggagaatc 300

tactcaattc cttcaggaac ttgcacagaa gtataacatg gtaatagtga gcccaatcct 360

tgaaagg 367

<210> 26291

<211> 62

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F4

<400> 26291

cccacgcgtc cggcgaggcg gtatagtcta tatgagaggc atgtatccag tagcgcgctt 60
at 62

<210> 26292
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F5

<400> 26292

cccacgcgtc cgctccgatc catcaactat cgccgagagc gatcgagaga taaatgagta 60
tgtataaagt ggcacatcatc tcagccgctc tcttcgtgct agccctgacg ctagtttgtg 120
ccccgctgat cgcagaggca aagaagaaga gaggcgccgc cgacgccgcc gaggagaaga 180
aggtgcatga caacttctgc tcgacgctgt gcgagggcag gaaggggatg gacctggtgg 240
tgtgcaacga gtgctacgac ctctcacagc gcttcaacct ggtgctgtac ggccctgatcc 300
agtgaaggga caagtgcacc ga 322

<210> 26293
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F6

<400> 26293

cggacgcgtg ggcggacgcg tgggcggtcg cgtgggcgga cgcgtgggct ccgacgggga 60
ctttaagcac acccacgctg aagccgttac gctgtccatg gctaactacg ggcccgactc 120
caatggctcc cagttcttca tcaccaccgt agacgaaaac cggttgcca agaagctgga 180
cgggcgccac gtggtgttcg gcaagggtgt gaaagggatg gacgtcgtgc gcaagatcga 240
agccgagggc cagctcaccg gtgtgctcaa ggccaaagtc gtcataacca acagcgcca 300
gctgccagcg cccgccgacg gcggccatcg tgacctctga tcgatgacga ggagaacgac 360
tcacgatcca tcaatccgat cgatc 385

<210> 26294
<211> 397
<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-F7
 <400> 26294

```

nccgcgcgtt cgcaaaactg gttttgggtt taattgggtc acaaatgcct ttggctggag 60
taattgggtt gttgggtggtc atgtgaatgt ccgagcttcc cattttcaaa atgttaatat 120
ttcatatctg ataaagttaa taagtttatt gtcgtcatta agatgggtta agaaggatgc 180
ctgctgtgtt ttaggatgag gctccatttg gaagtcaata gtgcaacact gtcattcca 240
atgatatacc ccactacaa acagacactt ggtcataatt ggctttcgca cattcatatt 300
caatgtctca aacttggtat tacgattctg cggatgggtc gacaaaaccc tgggcatagt 360
gtgattattg acactaatat tagttccaaa gcatttc 397

```

<210> 26295
 <211> 301
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-G1
 <400> 26295

```

tgagaaggaa gagtcaaagg gcatcgatgc gaaagcgtcc gggcctggtg ggtccttcga 60
catcaccaag ttgggcgcct ccggcaatgg caagacagac agcacgaagg ctgtgcagga 120
ggcatgggca tcggcgtgcg gcggcactgg gaagcaaaca atcctcatac ccaagggcga 180
cttccttgtc ggacaactca acttcacagg cccttgcaag ggcgacgtga ccatccaggt 240
ggatggcaat ctgcttgca ccacggacct aagccagtac aaggaccatg gtaattggat 300
c 301

```

<210> 26296
 <211> 351
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-E11
 <400> 26296

```

cggacgcgtg ggaaaaaaaa aaaaaaataa aaaaaaaaaa aaaaaaaaaa aaaaagagaa 60

```

aaattaaaaa aaaaaaaaaa aaaaaaaaaa caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aacaataaaaa aaaaaaaaaa agagggggggg ccccatcaaa aggaccaaag ctaaccgccc 180
ggggcagcaa agaaaaaact tttcttaaag ggcacccaaa actaaattca cggggcgcag 240
atcaaaaacg gtgcaatggg aaaaacccgc ggtttcccaa cctaaatgga aaagggcaaa 300
agccccgttg caaacgtga ataaaaacca aaaggggctg aacgattacc c 351

<210> 26297

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-G11

<400> 26297

gaatacccg cgggaccac gcgtccgagg acgcctctc ccacccttc ggcttcgcgt 60
gcgttttttt tttggagctt aacagcagtt ttttaacacat tggcatggcg cgcgagtga 120
tgatgcgtga ctacacagca tgatacatgc ttgtacaact agaggctaca catgttacga 180
ctggataccc tatttactag ctctgacgta cattactagt gctggaagat aagtggtaac 240
ctgcaggaaa aatatagacc aaactcatcg cagggaata agaaaattgg acagatcgaa 300
atcgc 305

<210> 26298

<211> 383

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-040-Q1-K1-G12

<400> 26298

cgcacgcgtc cgccacgcg tccgcatatc tcgaaccag taaatcacca gcgtacgaag 60
cacattgaga tcgatctaca cttcgtccgt gagcgtgttg cggtcggtgc tgttcgagta 120
ttgcatgttc ctactgcctc tcagtatgct gatattctca ccaagggatt gccttcacg 180
gtgttcacaa aattcaggtc tagtctgaac attcttccag gtggctgacc acgttcagac 240
tgcggggggg ggggtgttg attactatat ttagattgat catcttcctt gttttagtat 300

tgcatgtcac cattattgta tacgtgcatg gcacggngat caccttccat ctctagtgca 360
 tggctataact taaggtctgt ttg 383

<210> 26299
 <211> 391
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-B7
 <400> 26299

cccacgcgtn cgaaaagggt tgaatttgct gcgcttagag tcagcagaag ctatcttggg 60
 agcgactggt ttcaaacctg aaaattgtct gcaaacagca attcagcctt ctcttgaagg 120
 tattcctaata ggtgggtgtg atacggctac agaacaatccg cctagcgtag ataattacca 180
 gacaagctat aatggctctg aatgggttga gctattagtc acagagatga gaaatgcttc 240
 tgacataaac gatgcacggg ctctgctgctc aagagctctg gaggctttgg agaaaacgat 300
 tgtagagcgt gcaggagctg aagctacaca aaacctgcat aaggaaaaca tgatgctcaa 360
 ggagcagttg actgttggtc tgcgagagaa c 391

<210> 26300
 <211> 402
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-B9
 <400> 26300

tcgatcaccg gacgccttgt ccgtttggcg ttttaatttg actggccaag aaaatgcaag 60
 gggccctgct tgtgctgcac cttccgcaaa ataatgggt aggaagccca aagggtaatg 120
 gaaatggcaa aggaacagca ctctgctgctt gttcatggcg aaaggcatgg ggcttggctg 180
 tggttcaagc tccgctggct cctcgagggc gctggccacc gtgtcacgtg cgttgacctg 240
 gccggaggcg gcgtcgatcc taccgacccc aacaccatcc ggtccttcaa gcagtacgac 300
 aagccgctca tagacctcat ctccaacttg ccagacggag agaaggatgat tctgatcgga 360
 catggcgctg gagggctgag tgtgatccat gcaatgcatg aa 402

<210> 26301
<211> 197
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C1

<400> 26301

ctctctctct cttatctcct tccaagattc ccccatTTTT ttgttgttgt cccccccatt 60
cttgctagga tcattccttg atctttcgct cgctccagta cgcctgtttt ccagctccgg 120
agatcccatc tcggccacct cctgcggtct ccaagctcca agaggccaga ttccagcaca 180
aatttgaggt caatttg 197

<210> 26302
<211> 364
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C10

<400> 26302

ggaaaacccg gcgggaccca cgcgtccgcc gacgcgtccg cccacgcgtc cgctgtgagg 60
tgaaccagca gcctccaata aaatcgaccg cattcaaata aaaccgagag acctcagccc 120
tcaggcaagc cgaccgccga cgtaccaccg cgccaacccg agagaaagat ggagatgata 180
aagaggatcc tcatcgccgc gctcctcgta gtcgcgtctt cggccaccgc aatgctggcc 240
tccaccgagg ccgccgacgc cggcgcccca gccgcctccg agtcgtcggc gtccgccgaa 300
gccccgctg gcgccgccag cgccggcgcc ggcaccggca ccgccagagt gccctccgcc 360
agcg 364

<210> 26303
<211> 200
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C12

<400> 26303

ggcaaggctg tcggcctgcc gatgccatcg tcctaccgag ccgtctagag cgtcgaggga 60
tcgcgcacgg tgctgtacac aactaaagga gagcgagagg ggactttttc tcgcgtttcc 120

ttctctagcc agccttgtct gtccctcctt cgtttattct ctctctctct tttttcgttc 180
gcttccgagg aataataccc 200

<210> 26304
<211> 390
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-C3

<400> 26304

gagccccgaga gcttcccttg ccggcgagta ttcagtcgga ctcacgcgat ctgactttcg 60
cggagggttct tgaatgtgat cgcattcatt caacaaatcc aagttaaaca gattgctgac 120
aacagcattg agcaagcatt gatagaaaat cctcctaatt tgctgaaatg gaagccatca 180
gaaagagcta aacgggtttcg acgatgcagg tcaactcctt cagatcccac cgatcaaaaa 240
cctgcagaaa acggatctgt gcttaaagcc aaagagttat tcaaggagaa aaggccgagc 300
ttcatgcttg taggcctcct ccttttcgcc tacctactag tgggtgtcat catctnttac 360
ctattcatgg atcaattatc tgggaagaca 390

<210> 26305
<211> 373
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C4

<400> 26305

cccacgcgtc cggctctcga tgccatatag gagttggtcc tcatggactg cggccaggac 60
ggcgttggtc cacggcctga acaccaggcg ccgcccattt gctgcgccac cgagggtccc 120
cagagcccga cgctctcttc cgaagaattc ctccagttca agaggaaggc caccacgata 180
gtggaggagt acttctccac ggacgacgtc gccgcgacgg cgaacgagct gcgggagctc 240
cgcgtcccgt gctaccactt ctacttcgtc aagaagctgg tctccgtggc aatggaccgc 300
cacgacaggg agaaggagaa ggcggcgggtg ctgctgtcct cgctctacgg cgacgtcgtc 360
gaccgccccg agc 373

<210> 26306
 <211> 387
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C5

<400> 26306

ggcgacggca agacgacgct gcttcacttt gttgtccagg agatcattcg gtcagacgac 60
 gtgcggtcggg ttctggggccgc caaagagcag agcaacagca gcatatccag cgtgacttct 120
 gacgatctca ccgaggatgt cagcgacgac acggagcact acaagcagct aggcctgggc 180
 gtcgttttcca gcctgggaga cgacctccag aacgtgcgga aggcggcaat cctggacgcc 240
 gatgcgctga ccattctcggg ggcgagcctg gggcacaagc tgggtgaaggc gaacgagttc 300
 ttgaacacgg gcatgaagag cttagacgag gacagtgggt tccatcgcaa gcttggcgag 360
 ttcacgcgagc agtcccaggt gcgcgtg 387

<210> 26307
 <211> 213
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C9

<400> 26307

tttgtcctga gcatgtcagc aagtaaggac gtgcttgccc ttgcttcact cgagggtggac 60
 ctctccagca ttgagccagg gaccacggtg actgtgaagt ggcgtggaaa gccagtcttc 120
 atcagacgcc ggacggacga cgacatcaag cttgccaaca gtgtggatgt ggcacccctg 180
 cgccacccag agcaggatgc aaagcgtgtg aag 213

<210> 26308
 <211> 386
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D10

<400> 26308

cggacgcgtg ggcggacgcg tgggcgctag cgagcgagag agacgcacat ctatctgcga 60

gcttacgccg cggcctcgat cagagtcaga ggcgaaacacc cccatggcgg cggtggcgg 120
 cggcgacga gggaaggtat ccttcaagat catcctcacc tccgaccca agtccccttt 180
 caaagtgttc agcgtgcccg aggcggcgcc ctttaccgcg gtgctcaagt acgccgcgga 240
 ggagttcaag gtcccgcctc agaccagcgc catcatcacc aacgatggaa ttggcatcaa 300
 cccccagcaa agtgcaggca acgtgtttct gaaacatggg tcggagctgc gtctcatccc 360
 tcgcgatagg gttggagctg tagtca 386

<210> 26309

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D11

<400> 26309

cccacgcgtc cgctcaacag ggagaacatc agtgaccggc atcctattca ggcataggca 60
 gtgatggcag ggagtttctt gagcgcatgt cattgttaat tacccttggc atgggaaagg 120
 tctttctggg caggcctgtt ctcttctagc tttccatttg ttgcttcttc tagtgcctta 180
 ttctgtttca acacctcttc caatttcttc ctgagccttc gattttcttt gacatagttg 240
 tgcagccggt caatgactaa agcaaggaat aaggagtatc ccatgagtga cgcctcgagg 300
 aggtgtcgcg caagaaggac ctggtcggtg ggggtgagcc ccacgacccc ggagccgtcg 360
 agtcccctt cggcgtggcc gcggatcttg gccatgctgt gg 402

<210> 26310

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D2

<400> 26310

gagagagaga gggagaggga gagtcttttt ctctacctgc ccgacccgag cgccggcgcg 60
 atggaatggg gcggcgagca ccaccacccg cttagcgtat tcctccggga cgcgaggctc 120
 gcattcagat gggacgagct cggtcaggag atcatgagga tcgcggtgcc cggcgcgctc 180
 gcgctcatgg ctgaccaggt cgctccctc gtgcacaccg ctttcattgg ccacataggt 240

ccagttgaac ttggagctgt aggtgtatca attgccgtgt ttaatcaggt ctcaagaatt 300
gcagtgttcc cacttgtag cgtcacaaca tcatttggtg ctgaggagga tgctatgtcc 360
aatggcagag 370

<210> 26311
<211> 189
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D3

<400> 26311

tgcgcagcgc tacgactagg tctagatccc tgcgcgtcgc gctcgtccgc gtgctccgcg 60
gcgtcgatct tcccacattg gccttcatga cgcctcaatt ctacaccttc ttcgtcgggc 120
ccatcgggcgc gctctacgcg atgtcgctct gggctctcaa cttcggctat atctacctgg 180
ccggggcat 189

<210> 26312
<211> 334
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D4

<400> 26312

atgctgctct atgtggctgc ctttgctttc catgcagcca caaggctggc ccgcaggtgc 60
gggttcaggc caccatgcat cctatccacg aggtggacc gcgccctcca tggaaacttg 120
tcatggttct acgaggacct ggactgtatc atgcatgagc ccgaggtctc gtctctggct 180
cattgcaaga gccaaaggccg gcttgacagg tacagcgatt tcattgaata atgccttcca 240
tcatgcaact tggagctggg gccctataag aggccgtgta ctatcaggct tcaacaatta 300
gcaggttgtc acttgctagc ggcacaacat catt 334

<210> 26313
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D5

<400> 26313

gcggagccca cgccttgact cgctcctttc gagtggagcg cacaggcacc ggccgtgtac 60

cagttaggga gcggatcgag ggggctcggc ttgagtggag gagatggacc gcaaggatgt 120

ctggatcctc gccatggaca tctacttacc gtctcctgc gtgcagcagg aagcacttga 180

ggcccatgat ggggagca aaggcaagta caccattggg cttgggcaag attgcatggc 240

cttttgcagc gaggtggagg atgtcatctc aatgagtttg actgttgtca attctctgct 300

gaaaaaatac aagattgatc ccaagcta attggtcgcttg gaggtgggaa g 351

<210> 26314

<211> 172

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D7

<400> 26314

ctttctttct catcttatta aaagagattt ggcacgagga actacattga ccaaaacctt 60

tggggccctt caatgtctgt tagcgggtggc attaattgtc cagtgtattcc gactccgctt 120

tttgccaatg cttcagccga gaaaagtggc aaaaacttca tgattgattt ca 172

<210> 26315

<211> 296

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-040-Q1-K1-E1

<400> 26315

ggaaccacca ctcccggggc caaaatggga ccgggggaaa tcctagcttg aggtgccgcc 60

gccgccgctg ctgcttacng agcacacaag ctttctcatg gccatagcgg acacggtgga 120

catgggccct ttggaggcca tggctgtggt cgtgggtggt atggccgtgg tcgtggccac 180

cacggcaagt tcaagcatgg caagcatgga cacggcatgt tcggcggcaa gttcaagaag 240

tggaagtgat gtgttgatcg taactagcgg tggtaatgga tcacgattta aatgtt 296

<210> 26316

<211> 265

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-B6

<400> 26316

cgcacgcctc cggcgaacac caccatcttc cctgcgatgc ctataccaat cccggcggcg 60
 ctcttttcggg gacgatgagc tactacaatc cccacggcca tggcggcgcg cccccgtctt 120
 cgccgagccc ctcccagtat gcgccccgc cgtctccca agggtagcca atggacccgc 180
 acgaggagcg cgggatggag caccaccacc accaccagta cgggcccgtct tcgcccgtagc 240
 cgatgtacgc gtcgtcgtac gggca 265

<210> 26317
 <211> 236
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-E10

<400> 26317

acgaatcctg ctgaatctac aggcactaaa tgggtatggt gtaattaatg agccgcgttg 60
 tatttaagcc agctagtcac tatagtata tggtaactgg ggtattcatt atttctgtaa 120
 tactgtcaaa tcttttttct aatttctcta ttaagccgag atatgtttct aaaacaaaaa 180
 tatggaaaaa aaccttcacg tgtatagcat tctacaacac aaaatattta taactg 236

<210> 26318
 <211> 370
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H2

<400> 26318

ggacggacgg gtacttcgtg ccggcgctgt tcctgaacct ggcgtagcag gacgagctcg 60
 acgggatgtt ccctcggaag gactcgggtg tctacctct ggcgactac ctgttccacc 120
 cgacgaacga ggtttggggg ctggtgacga ggttccacag gtcgtacctg aggggctcgg 180
 acgaaaggct gggcatccag gtgagggtgt tcgacggaga cggccgttc cagcacatcc 240
 tggaccagat cctcgcctgc acttcgcagg aacacctgct ccccgacgtg gcggtgacgc 300

aagagccgtc ggcgggccgc ggcgcgcggt ccaaggccgt cctgatgacc ggccctcagct 360
cgtggtacta 370

<210> 26319
<211> 411
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H4

<400> 26319

cggaacgcgtg ggtgacggtg ctgctcctcc tctctctgct cgccggcggc gcgtgcctcg 60
cggcctacgt cctgctgacg acgcaggaga cgccggcctg gctccccgcc gtcggcctag 120
cgctcgtcgc gctcccggtg gcgttctgga tctcacttg cgcgtagcgg tgcgcgcgcg 180
cgcgggccgc ggagcgcgtg acgatggccg tggcgccggc tgctggtagc atgtgctcgc 240
gctccggctc gtgagcagta accgtaagac acttagccgt gcgaattcac tttcagggtca 300
attgttacat gatggttcta tacacgtcat tgcattaaga aatcaagatc atatacatgc 360
tggtatccgt ccgtccttaa cagtatttaa cgatcgctga agctgcacaa c 411

<210> 26320
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H5

<400> 26320

accacgcgtc cgctcacgcg ttcgacgacg cttggggcgc cgtccagctc ggcgaccgtg 60
tgtcgctggg agaacgaggt gctccgactt gtcgaggagt gcagaggcgt tgatcatggac 120
atccaggagg agatgccggc ggacgacccg gtgttgctgc cctggcagat ggccatcccg 180
gctgccgtca tgcccatcgg cggcccggaac atgctccact actgatgatt gccttcacca 240
accacaccac catacatctg aggctgtcag ctggggctgg ttggcaacaa tacaagaaga 300
attggctgcc tgtaacaac attgacatct actacctacc tggctgcttt gagaattaca 360

<210> 26321
<211> 58

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-H6
 <400> 26321

cccacgcgtg cggtagatt gctgttactt ttaccggcga accgcgacca cctcggag 58

<210> 26322
 <211> 411
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-H7

<400> 26322

cggacgcgtg ggccgctctc gtcttcgcca tactcatgac cgccgcggtt gcggagcagg 60
 ggccggcgcc cgcgcccaacc agcgacggca catcaatcga cctggggatt gcgtacatcc 120
 ttatgctggt tgccctagtg ctcacctacc tgatccaccc gcttgacggg tactgccctt 180
 acaagctctt ctgatccctg cgcctttccg tttgggtcatg cggntaaggg cgcgatagga 240
 ttttgagtta ggcaacgtgc ttatgtgagg ctgggaggtt taggatgatg attgcgggtca 300
 tctggtcttg cttggtatga tgtattggag gctcgaagct gctgggtgttc tgattgagtt 360
 tgtatcggac ggactccatg atctttgagc tcagtccttc agttctgtc t 411

<210> 26323
 <211> 385
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H8

<400> 26323

atcgacggca agctccgcta cggcttcaac ggcattctccc acagggacac cgagacgccg 60
 gtcaagctcg ccgagtactt caacgtcacc gacgggggtgt tcagctacaa ccagatgggc 120
 gacgtgcccc ccgccgttaa cgggccactc catgtcatcc ccaacgtcat caccgccgag 180
 ttccggacct tcatcgagat cgtcttcgag aaccccgaga agagcataga ctccctccac 240
 ctcgacggct acgccttctt cggcgtcggg atggggcctg ggacttggtc gccggagatg 300

aggaagacgt acaacctact ggacacgggtg agtccggaca cgatccaagt gtacccgcgg 360
tcatggactg cgataatgct ggcat 385

<210> 26324
<211> 311
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A10

<400> 26324

cccggcggga gccacgcgtc cgcccacgcg tccgccgacg cgtgggtggt cgtcgggggtg 60
tactgcgcga gcaggtatgg agctgttatt ggcaaccggc gtcatgcgcc gaaaatggaa 120
gtcaggagacc tgacggccgg actggccagc ggcaggatat gtgctgagga gaacatcgac 180
cagctggtgg ctctgagggc agaacgcca gccgatgcca cggtcacgga cacgctggct 240
gattaacgga ccattgtgcc attgttgctg cgagagagat gtgcgtcagc caacatgtgt 300
gctattgctt t 311

<210> 26325
<211> 368
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A12

<400> 26325

gaccatccct gcaaattacc gcgatgggtc ccaagatcct agtcatcctt gtgtggcgcg 60
ccgttgccctc accggctgct ctggccgcct tcgatgtgat agagatgctg gccgacaagc 120
ccacgtactc cacgttcctg aagctcctgc aggacaccaa ggtcgcgggc gaggcgaatc 180
agctccggtc ggcgacgcta ctggtcgtcc ccgacaaact tgccaagcct ctggcgtcgc 240
tgcccgccga taagggtgcgg ccggcgggtg agaaccacgt ccttcttagt tacttcgacc 300
gcatcaagct ggacgagatt gagacacgca ccagcatcct tctcacgctg ctcttcgtca 360
ccgacaag 368

<210> 26326
<211> 330
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-040-Q1-K1-A5

<400> 26326

gcacacagct catcagttct tcttcgttgt cttggctagc tgcctagcta gctagctggg 60

tctcactcc tctccgagaa cccctttttt catctctctc tctcgcctag ctcttttcgc 120

gatgttatct tctctgctgg cctcacaact cgagagagac tcgtgaaaag aatccagata 180

tataaagaga tcgagggcag ctagcttaat tattagcatg tcgatgagct tcttgagcat 240

gggtggaggcg gagctgccgc cggggttccg gttccaccgc agggacgacg agctcatntg 300

cgactacctc gcgcccaagc tcggcgccaa 330

<210> 26327

<211> 337

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A6

<400> 26327

cccgccggga cgcacgcgtc cgcggacgcg tccggcgccg gccatcgatt gtgtggggag 60

gaggggtgggg cggaccctcg gccatttggg atttgtgcgc gccattgacg gcgtggggag 120

gaggggtgggg cacagcagat ggggaggagg gcgcgatggg gtggaacctc ggcgacctac 180

catcgacagc gtgggcgttg atggcaacct cggatgatgg ggatcgtaga gctgaggggt 240

aggggatcct tgacacctgc ctttgatggg ggggtaggag atccttgtca cattacgacg 300

atgggtggcg ggatgacagg cgttggtgcc tgcacgc 337

<210> 26328

<211> 367

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-040-Q1-K1-A8

<400> 26328

acgagccaca ccgnncccat ctacgaggga tatgcccttc cccacgccat tcttcgttct 60

gggctggccc ggcgggaact taacgacttc ctggtgaaaa atccggcttg accgcggtcc 120
 tctttaacaa ccaccgctgg acgggaaaat cgtgaggagac atgaaggaga agctcgccta 180
 catcgccctg gactacgacc aggagatgga gaccgccaag accagctctt ccgtggagaa 240
 gagctacgag ctccccgacg gacagggtcat caccatcggc gccgagcgct tccgtgccc 300
 cgaggctctc ttccagccat ccttcacggy gatggaagct gccggcatcc acgagaccac 360
 ctacaac 367

<210> 26329
 <211> 381
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A9

<400> 26329
 cccacgcgta cgaccagcct tcgcccgaagc gttcgggctt tccttcggga aaggaaccaa 60
 accagccggg gcaaccgtgc cgtcttcggt tcttccatcc gtcctaacc cggaaagtat 120
 tcgaccacgg aagcagcata acctccgtac atcccatccc cggtcgcctg tactgtactc 180
 gtcccgtct agacgatcga tggccgccac ggcagcggaa gagatggaaa ggattgtgga 240
 ggcggaatgg gatgagggta agcaacggat gaggcataag cagcggcgcc gaccgcttgc 300
 gctgccggca cggcctgttt cactcatgct caatggggat ggaagctgcc ggtatcgacg 360
 agagcagcta caactgcatg a 381

<210> 26330
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-B10

<400> 26330
 cccacgcgtc cgcggacgcy tgggtttggc taccctcgtc gtcgtctcac tcaccgggcc 60
 ttcacgcctc cctcaccaaa taagggtccc cccttttccg acattcacag gggggacagg 120
 aaatcagcgg ccatggcctc gattccggcg acgaccttcg ccgtcatctt atccgtcctc 180
 ttctgtgccg cggctggcac cgccgtcgac aacgacctcc ccgactacgt catccagggc 240

cgcgctctact gcgacacctg ccgcgcgcggg ttcgtgacca atgtcaccga gtacatcgcg 300
ggcgccaagg tgaggctgga gtgcaagcac ttcggcaccg gcaagctcga gcgctccatc 360
gacgggggtga ccgacgcgaa cggcacgtac acgacgcgagc 400

<210> 26331
<211> 417
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-040-Q1-K1-B12
<400> 26331

cccacgcgtc cgcccacgcg tccgggtatga caagctggtg ctgcgccagg aggagctggc 60
gcgtttcaga tccgcgggca accacgcggg ctccgggtgac ggcggagacg tcatggcccc 120
tgccgtctgc agcgggagcc cgagctcatc gttctcgact ggcacctgcc agcagccccg 180
aggaggcggc ggcggcggcg atcacctggg ggacgacgac ctgctctatg ttcttgacta 240
tgccctacgct gacagcagcg tggctcgagt gtttagcctg tatggactga tgtaatcgat 300
ggatatggtat gccatcgctg tcggcagatt aattctagct agctactcat cgtagcgtgt 360
cattgctgtg ctgaattgct gatttctatg tgcgccctct taatcatatg tgcataa 417

<210> 26332
<211> 305
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-B2
<400> 26332

ctctagctat ttgtccccc tagctcggtt gttctctcgt cccgtcgctc gggttcatttc 60
cgcttccgag gaataataat caaccaaagg ggctctgctc tatctcaaga agacttcatt 120
catgtgggca ccagcagtca ctcaactgcc ggggcggggc accagggaga ttaagaggcg 180
atggtcgct tcaatgcatg catgaggata tatgcatgcg taaacacatc gagacgccgn 240
aaaattgntc ttttatattt atgtatatgt acatgcatat gtctnctgat tcaactttga 300
tgttt 305

<210> 26333
 <211> 235
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-040-Q1-K1-B4

 <400> 26333

 ggccctagctc gctacggcat ccatcatttg aacgaggagc aggatacaaa caccgtgccg 60
 ccatacacag gtacgcaaga acgccactaa catggctagg ctgcccttga gagcataggt 120
 ggttctgtgc ctctgtttg cgacgcgggt cgcaggagc catcatcgtc aaggggatgg 180
 tgtcattcga caattggatc atctgcaagg tactggacaa cttgaacaag aacct 235

<210> 26334
 <211> 358
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-040-Q1-K1-B5

 <400> 26334

 cgctcgctgc ggccctggctg cccggcacgg aggcgcagg catcacccgac gtgctgggag 60
 gggactatgg gttcacgggg aagctgccgc gcacgtggtt caagtccgtg gaccagctgc 120
 ccatgaacta cggcgacaag cggtagcacc cgctgttccc gttcggcttc gggctcacca 180
 ccaaggctgc cgcgagtcac gattagcaat tagagttaga ctctgctttt gctttttcgg 240
 tgttgatgaa atagttagcg ggaacggcaa ataagcactt ttttttgtag aagatacaca 300
 aagctttttt tttgtaggtg tagttaaaaa agaataataa aataattgat ttaggcct 358

<210> 26335
 <211> 316
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-F12

 <400> 26335

 cccacgcgtc cgcggacgag tgcgatcatt cgtgcgctac catctccgtc cacctcatgg 60
 atacatcaat cagcatgttc tctaattctt tgcccatcga tgactctgat caaattcttc 120

tatcttcacc aagcaacgga agattcaaaa atgatgccac tgaacatatt gctcttgctg 180
ccttcaacca tgcaaaggac aataactatt tctataatct ntcatgtaaa ttattaacac 240
tcaatgtaat gcaaaaagta gcatatgaca aaagcttcaa tcagcctttg tcttgacagaa 300
actattcatc cacttc 316

<210> 26336

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F2

<400> 26336

cgctgctctg attctcgtcg tcgccttggc tacatgtaca aacaagtttg ttgatgcacg 60
cgtgggtccac cctatcgta ccctcgaggc cgacgggtca tcttcacact ctggcgatgg 120
tcgtcgcttg atcagctcca ccaaccaaga tgaacttga gcgctatgcc aactgatgca 180
ctacaagacg ttgtgctcca cgatgactac tctgcctggg gtgactacgc cagatcaact 240
ctcagatgca tccctgcgga ttacatcgct gaaggcatcg atcgctgaca ttaagctcga 300
cattgcaatc aatgcaggca gtgctcacgg taactcgatg atgtccgcgc tatagacacg 360
caaggagagc ttcgcg 376

<210> 26337

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F3

<400> 26337

cccacgcgtc cgattcacta acccaagaca taacatggat gtgaatgtga gaaccatgtg 60
gtcgtcgatg cgggcacagg ttgcgatggc tgtgggtgtg gtgttcttg tgagcggcgc 120
atgggtgcggc cctcccaaag tccccccagg caagaacatc acggccacct atggcaagga 180
ctggctggac gctaaagcga catggatgg caagccgacg ggtgccggtc ccgacgacaa 240
cgggtgggtg tgcggtgaca aggacgtgaa caagcccccc ttcaatagca tgggcgcatg 300
cggcaacatc cccatcttca aggatgggtct ggggtgtggg tctgtcttcg agatcaagtg 360

cgataagcct gtggagtgtc ccggcaagcc cgtggtggtg cacattacgg acatgaacta 420

<210> 26338

<211> 316

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F4

<400> 26338

accaagcgta cgctaatatg gcgctgctcg tagcctgggt gcgcctgcgc caccgactgg 60

ggctgcgcac ccggtacatg tcgaccacgt tgtggagata cgcgtctcct gtcgagacgg 120

cgtatgatac ggtgatccca gacgtcatca caggcgagac catcacggtc acgctctggc 180

acggactagc tggacgctga atcgacgatg catctgcagc cgagcgttac cgggtccgat 240

ctcgacgggtg gtatctgcgg ctacgaggac ctgaacaatg ccgctcttgc atattatgat 300

gggcatgcgc taacat 316

<210> 26339

<211> 381

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F5

<400> 26339

tgtgtctcct ctctacctc cccgtctccc tgccctggaag agaccgcacc agctcgtccg 60

ggagttccac ccccaatccc cacagcttcc cgcaccaact aatccgcccc atttgcgggc 120

cactcccggc ggaaattcgt gacaaagccg cggttttttc ttcttttttt ctttcgctcc 180

cccgcccccg ttttcccttt tgactccgtc gccgggtctg ctcttttatt gctgcgcctg 240

cctgattgtc ttttctcgtc tgaacgcgcg gtattccgag ggcggcgacc gcggattcgc 300

ctacggaagc ggcgatttgg tccacaggtg gcgaaaggat gatggatttg gggagattgc 360

tctagctagc gtggttctga t 381

<210> 26340

<211> 381

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F7

<400> 26340

cccacgcgtc cgccagcccg ccctcaacc tcaccagcg cgacgaagcc ggggggagag 60
ggctccagcg ccgcccgcgc agcgacctca cccccggga gccgcccggcg gtacccccct 120
ccctatcacg cctcatcgaa tcctcaggtc taagtTTTTT tttgttttgt gagttatcca 180
aagttggacc gcaaagatga gtactgctaa tcactatcag cacatcaagt gaaccaagcc 240
tgtttaggc aaagcaagaa aattgaagga tctcatgata aaaagtgata ataggatatg 300
tgctgactgt tgtgcacctg atcccaaagt ggcactctgt aatattggag tgtttctttg 360
cttaaaatgt ggagatggtc a 381

<210> 26341

<211> 429

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-F9

<400> 26341

cctcagccaa ggactggaga ggtggcatgg ctgccagctt taacatcatt cctagcagcg 60
accggtgctg ccaaggctgt tggtaaagtt cttcctgac tgaatggcaa gctcactggt 120
atgtccttcc gtgttcttac tgtggatgtc tcggttgttg acctaccgt cagaatcgag 180
aagggggcct cctatgagga tatcaagaaa gctattaagg ctgcttccga gggtcactc 240
aagggatatca tgggttatgt ggaagaggat ctggtttcta ccgacttctt tggtgacagc 300
aggctgagca tcttcgacgc caaggccggg atcgctctga acgaccactt cgtcaagctc 360
gtctcgtggt acgacaacga gtggggctac agcaaccgcg tcgtcgacct gatccgncac 420
atgttcaag 429

<210> 26342

<211> 205

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-G10

<400> 26342

cggaacgcgtg ggcggacgcg tggatatcttt gcggcccttt ttttttctta tttcgcgtgt 60
aaagatcaat cagcatgtcc taatctatgc tctccattgt tgccgcacat caagtgtctt 120
gatgttcacc acgttactgt acatacaaaa ttcttgcgtc ttagcatatc gctcttgcggt 180
tattaaactg gcaaaggaaa atgac 205

<210> 26343
<211> 338
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-G11
<400> 26343

cccacgcgtc cgcccacgcg tccggaaaag gggcatggga cacatcatga tcatggtatg 60
gtcttggtcc tgcaaggaca aaaaacatag attagttatc ttcagcatgt atgttctttt 120
cttattttac acaactagca aacatacggt tgtgtagcaa gttagcaaca gaatgcacag 180
cttgttatgt agtcacatgg gcgatttgtg gcttggagat ttattcaatg atcgtgccat 240
ctgttgcaat taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaataaaa aaaataaaaa aaaaataa 338

<210> 26344
<211> 274
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-G12
<400> 26344

gtccgcgcgac gcgttcgccc acgcgtcctg ttttatctca ccgcaacaac tcctcattac 60
atcgggatat gttaagctga tcgattggca gatacgtagt caggtggagc agagcaacga 120
gagacatggc gacgacgacg cgtgttgccg acgacgacac ctgcgtgctg ctggtcctgt 180
ctgcgttggc gaccctggcg cggtcogtgg acccgtagct gttcttcgag tggaaggtga 240
cgtacgggac caagtccatg ctaggcgtgc ccca 274

<210> 26345
<211> 249

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-G2

 <400> 26345

 cagccccata tccatgttcc aggtgacttt tctcaagtgc ggcggcgtgg tgctaggaac 60
 cgccatccac cacgcggcca tggacggcgt gggcgcggtc cagtttatgc agacgtgggc 120
 cgggggtggca cgcggcctgg acgtggcgga ggcgtgcggg ccgcagccgt tccacgaccg 180
 gagctctctg cacgcgcggc gcccgccgtg cccgacatcc gaccacttcg tctactcccc 240
 ggcgttcct 249

<210> 26346
 <211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-G3

 <400> 26346

 atcaccgcgg ccagcgacta caaccagtcg ctgcagttcc gggacctgga cagggagaag 60
 aagaagatcg acatgcaggt caccgcgcac ggctaccgcc agatagtgtc catatatgac 120
 attgtcttcg gggatatcgt ccacctgtcc atcggcgacc aggtgccagc ggacggcctg 180
 tacatcgacg gctactcggg agtggtcgac gagtcgagcc tatccggcga gagtgagcca 240
 gtgcatatgt acagtgcaaa acctttcctg ctcggcggtg ccaaggtgca tgacgggctg 300
 gccaggatgc tggtcaccgc ggtcgggatg cgaactgagt ggggaaacct catggaaacg 360
 ctgagccaag gctgtgagga cgagac 386

<210> 26347
 <211> 394
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-G4

 <400> 26347

 cccacgcgtc cgagcagcat ctcgagtaac acagttgagc acgacgatgg gatccctcgc 60
 gaataacatc atggtcgtgg gcgccgtcct tgctgcgctt gtcgtcagcg ggctcgtgcgg 120

gccccctaag gtgcctcccg gcaccaaca ttaccaccaa ctacaacggc aagtggctca 180
 ccgccagggc cacctgttac ggtcagccca acagtgcggg cgctcctgac aacggcagtg 240
 cgtgcgtgat caagaacgtg aacctgccac gctacagcgg catgacggcc ttcagcaacg 300
 tgcccatctt caaggaccgc aagggtgat gctcatgcta cgagggtgaga tgcattgaaa 360
 aacctgagtg ctcgggcaat cctgtcacgg tggt 394

<210> 26348
 <211> 167
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-G5
 <400> 26348

atttcttcgt ttttagggaa atttggatcc ataccattaa aagatcacca ctttggggcc 60
 ggaccattac tatcttactt acatgagggc ccacattaat caatgacatg tacggtccat 120
 gatatatatc taaagtttgg atcttttaat ggtaaaaaaa acaaaaa 167

<210> 26349
 <211> 478
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-G6
 <400> 26349

cccacgcgtc cgctctaggc tccggttccg gaaacagcgg gcgccattcc cgggcgagga 60
 ggccggccca gatccgagta cggcggcggc ggctgcggcg gcgagatgac tggcggcggc 120
 ccggccgcgg cgctgcaggc gtacggcgag gcatgggtact gggacgagcg ctaccgcaag 180
 gaggcggggc ctttcgactg gtaccagaag taccggcccc tggcggcgt gctccgcctc 240
 tacctcggcg cgcaccaacg cctcctcctc gttgggtgcg gcaactccgt ctttggtgag 300
 aacatgattg acgatggta tcaagatgtt gtcaacattg atatatttc tgtggttaatt 360
 gagcaaatga agaagaaata ccacgataag cctcaactta aatacatgaa gatggatgta 420
 aagaacatgt cagattttga gtctggttct tttgatgctt gtattgacaa aagaacac 478

<210> 26350
 <211> 364
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-G7

<400> 26350

 cggacgcgtg ggggtgaaaca ctatcttaaa ctagcaatac tgcgaacgtc acatgcatcg 60
 tggccgcaag cgtcctgtac aggttttcct ggaggacgac gagccctatt ctgcttcagg 120
 gtcaaaaccc gccgctcctg gcaaggctac cgaagggtgcc aagaaggccg atgacaagag 180
 cccaagcagc aagaagcttg cagtggcagc tcctgccgct gtgcagtcta catagtcaat 240
 tgcagcttta gtagcccgca taaagagcat aacagcgctg gcaactggcg ccttcatatn 300
 gcatgtaatc cccagaagac tttagtctgg tcgtggctcg aagtataacc tcgttcccag 360
 cgtc 364

<210> 26351
 <211> 343
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-H10

<400> 26351

 gtgttccatt ccttgacaaa agtttcatth ttgtagcaat ggacattgat cctgaatgga 60
 agatgataaa acgtgacctg ggtcgaattg agaaatgggt tatccgtaat gcatttgatg 120
 atgaggagag gccctattta cctaagcaca ttctctacag gcaaaaggaa cagtttcagt 180
 atgggtgttg gtatagttgg atcgatggat tgaaagacca tgccagccaa catgtcttcg 240
 attccatgat gatgaatgct ggctttgttt acccagagaa cacaccaca acaaaagaag 300
 ggtactacta cagaatgata ttcgagaaat tcttttccaa acc 343

<210> 26352
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-H11

<400> 26352

gttcagatca taacaaaaat ggctgctgcc aatggagtaa gacgtgtttg gggtggacaa 60

aacagtctca tgtctactcc tgctgtatct gctgtcatcc gtgaaagaat tgggtgcagat 120

ggatcaaagg ctactggtgc cttcatcttg acagcgagcc ataaccagg tggtcctacg 180

gaggactttg gtatcaaata caatatggga aatgggtggac ctgccccga atccgttacc 240

gacaagattt tctctaatac aacgacaatc tctgaatacc tcattctctga agaccttcca 300

gatgttgata tttctgttgt cgggtgcacc agcttcagtg gacccgaagg cccctttgat 360

gtggatgtct ttgactctag tgtaaattac ataaagttaa tgaagacaat ttttgacttc 420

gaagcaataa a 431

<210> 26353

<211> 421

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-F11

<400> 26353

cttctcccc gcggccatcc gcttctacat tgccgagatc gtctccgcgg tcgccgagcg 60

ccacgcgcgg ggcgctgtgt accgtgacct caagcccgag aacgtgctcc tccgcgccga 120

cggccacgtc acgctcaccg acttcgacct gtcccgccctc ctccacccca gcaggtcgtc 180

cgcgggagtc tgcgcgcccc cgcggccagc gtcgtccgcg gccaccaca accgccggtc 240

gcgcgtcccc gcgcggagcg actcggttct cagccagcag gtcaagtcgt actccaactc 300

caacaactcc agggccccctc accagccctg gtccgcggcg tcgtcgccgc ggcagcagct 360

ccagagcctg gtccgctaca tcattggggag cggcgacggg accgngtggt gcaggaagag 420

c 421

<210> 26354

<211> 382

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-D5

<400> 26354

ggtcgggatg cttgacgtgc tcatcgccgt gggcaagggc caggtaagga agcagtgccg 60

gctggtgaac gggcaggaga aggaggagaa gcagcagcag ccgcatgagg agcaggagga 120

gcagcagcca ccggagctgg aggaggagga gcagcagcag ccgcatcagc cacagcttcc 180

atggttctctg cagaggcagc gcccgccgt tcttcttcca tggctccggc cccatccacg 240

gccgcgtcga ccgttccgga aacatccggt ggccgacctg gttaacggat ttttccgtgg 300

ttgtcactga aggcgagcac tatgctcggg acgtagacct ncaaaatatg caatgctacg 360

gtacatatca atggacgtaa ac 382

<210> 26355

<211> 321

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D6

<400> 26355

agatgcccca tggcgtaccc gcatgggctt tagcgagtaa ccattccagg tagttccact 60

agaacctgac ggccagcgac gtgcaccaca acccgaggg ctactaccac tacggacaga 120

tcaacatcac cctcaccatc aaggatcatg tctacctcgg tcacatcgac cgcaagcttc 180

gatacggctt caacggcatc ttctacagtg acaccgagac cccctcaag ctctccgagt 240

acttcaacgt cacctaccga gtgttcagct acaaccagat aggcgacatg cctccagtcg 300

tttacggctc actacatgtc a 321

<210> 26356

<211> 371

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D7

<400> 26356

cccacgcgtc cgggggggctc tgcatgccac ggggcgatgc tggccggagg tgccgcggcg 60

gcgtacggag ctacacgggt gtcccaactcc cacgggatgt acggccacgg ccacggccac 120

ggcaagttca agcatggcaa gttcaagcac ggcaagtttg gcaagcacia gaagatgttt 180

ggcaagcaca agaatatgtt cggtcgcaag tggaagtgat taacgtacag ctttaatccg 240
attctggacg agcagacgta tatatatata ccggagtcca gaatgctaag ttatgctatt 300
ttgattgtga ttcgaatacg ggaggttgtt agggttttcg aagtacgtac tgacggctgc 360
ctgtaagctt t 371

<210> 26357
<211> 373
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D8

<400> 26357

cggtgccagg cctcgccttc tggcggcggt gctccctcgc tcttcgtccg ccagcgacgc 60
gggcaggctc gcgcgcggcc atgaaggggg gcggtgccat gaggccgtcg cctatgttct 120
acgtccacga ggcgtacgtc gtccagatcc accacttcct cgaggagtgc tacctctgcg 180
ccaaatcgct ctactgcgac atcttcatgt acaggggtga cagccgatc tgcaacgagg 240
agtgcaagga gcagcacatc gaggatgaca gggcgaagca cctgctgaag aagcgcgcgg 300
cgactcacgc gctgttcgca cgcacaggg agcaccggca ccagcagcag ctgcagcagc 360
accaccacta gca 373

<210> 26358
<211> 124
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E1

<400> 26358

cgcgcttctg ttacacacga gacttctgtt ttcgttgagc taatcttacg acacctgcgt 60
gatcgggtta cagatgtgac acggcatcca aactccccac ctgtaatgtc ttgccaccgg 120
atcg 124

<210> 26359
<211> 333
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E10

<400> 26359

actcgttcgc aagaacctac tcgccttcta cattgactaa caactaagcc tccgtgaccg 60
ccacatcggt tatgttcaaa catgggtgcc tgtgcaacga agcctaagac gcttgagggg 120
aaagccccag ctgaggccac catcttcaca cccaagggtg cacctgacac cactgccatc 180
cacattgagg ttgcggcgaa acaagcagta gttgataagg tggaagatga caaggaagag 240
gcactaacag tggctgcgaa acaagagcca gcagccacca tcgagcctca acagattgct 300
ggtgaagtga ccacttcaga agtggctgtc gtc 333

<210> 26360

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E11

<400> 26360

ctttaccacc gaagagagaa acgcgagcta ccagcgatcg ccccatggcc gccatggctg 60
gttccgtctc cctcgtcgtg ggcgcccttc tctcctctc cctcctcgtc tccgccgcgg 120
ccagtgcgcg gaccgtgggc gacaccgtgc aggacgcgtg cagcaagacc cagttcccca 180
agatctgcgt ggacagcctc gccgccaagc cggagagcca gaaggcgacg ccgcgcaagc 240
tggcggagct gttcgtgaac atcgcggccg agaagggatc cgggatggcc accttcgtgc 300
accgcaagta cagcgacaag gaggacagcg acatattcaa gtgctacgac agctgctccg 360
acgacgtgga ggaagccgtc gccacacctca acggcctcgt ccgggagccc accgacg 417

<210> 26361

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E12

<400> 26361

cccacgcgtc cggcggcctc cccatgggta ggtcgggatt ctgggcgccg ccgcgtgggg 60
cattgtcgat gactgccact ctggctgtc ctacggtcag gttgggtcgg gcggtcgcgg 120

cctgggtcgt gcgctggtgg gcactgggtg cgaaggcatc ggccagattt ggggaaattc 180
ctcaccgaag atcaacagtg ccgccgatcc gctgctcacg atgaccgtct ctaccactac 240
ttcgaccgcc attgagcgcg aggacacgtg tcatccgaaa agcaagttgg tacctggaat 300
ctcaagtgcc aggagaagaa caggtggtcg aagaggagcc gcctaacact gaggagttcg 360
atctgatcta tgtggcgtgt ctc 383

<210> 26362

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E2

<400> 26362

atagctgctg gtcacagag ttcacgatt cgccatcagc agctcttgaa aggtcagctg 60
cagcctggat ctgatacag acaagccgat tactttgcag gaaggtctgc tccagttcat 120
caagcatccc aggaaattgg tgtatatgga agagttgatg ctgataacca caacatgtcc 180
attcttggga ctactccata tggaagacag caagcagcct cattgttgga aggagctcca 240
aagacaaaca ttgacagcct ctatggacaa agatcatcaa gtgctggttt tgggtgcatgt 300
cttcctcctg gacgtgatta tgcctcaagg aaaggcctgc tccatccatc ttcggatcct 360
gattaccag atagcatctt acccgtgta ca 392

<210> 26363

<211> 319

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E3

<400> 26363

caggcgctca cgttctgca caccatgtac atgaacacgc aggacaccat cggcgcgggg 60
cagcgggcca tcacgttcaa ggacaccgcc accgccaaga tcatgctgca tctcgccgat 120
caggacttcg actcgtgca ccgaccctgc acccaagccg gcgttcacaa ccacatgggg 180
aagcttgaca aggagctcaa ccagatggcc aacaactgca tggtctttgc aaacatgata 240
tgaaccacgc atgcaacctc agcgtgaggt gccatcgcat gcacggaatg cttgcattca 300

gttttcattt aattgagaa

319

<210> 26364

<211> 343

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E4

<400> 26364

ctggcatcca ctcgtgctga tccctctttt tccccgcacc atcgatcaag cttgacctgg 60

cggagttgat catgcatggt ttgaggttct tgtgcagact aaggaaccag gagctggaag 120

aacatgggag tgaatcatat cactccaagg gactctgcc ctctgtata atcctctgaa 180

actcgactcg ctctgtcacc ctagtttcta ctttctagct gccaggagga agaaatgtac 240

tgtaactaac agcaagcaaa gcataagaat ctgcatggct cacggtgtaa ttgtttttta 300

aaaaaaatta aataagaata tatcgaaatt aattagcata tat 343

<210> 26365

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E5

<400> 26365

gaataaccgg gctgaccac gcgtccgcc aagagctcgc gcgcgacggc catcaacctg 60

ctcgtccgc tcgcgtcct cggggccgtg ctcggctcgc cactgagtcc ccacgccgat 120

gccaccgtct gcgacgtcgg cggccacgac aggtggatcc agccgacggt caaccacagc 180

ggcaggtaca acca 194

<210> 26366

<211> 413

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-E6

<400> 26366

agaggagaac cagcagcctc caataagagc cagccagaga aactaataaa actctcgccg 60

gcgccatccg agcgaacaag ccaaccgacc ccgtcccca ggcaatccgc cgccgacgta 120
ccaccaccac cgcaggagcg agatggagat gaagaggatc ctcttcgccg tcctcgtcgt 180
catcgccgcc tcggccaccg cagtgtctggc ctccaccgag gccgcgcgcg cgggcgcccc 240
aactgcctcc gagtcgtccg ccgaggctcc cgctggcgct ggcgctggcg ctgccgctgg 300
cgccgacgcc tcggggccct ccgccagcag cggcgcgccc gccctcgccg ccgcgcccgc 360
cgcgctcctc ttctccctcc tcgcctacta cctncactaa gcgtgtgcgt gcg 413

<210> 26367
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E7

<400> 26367

cgccgcgcca tgactatgac gatagtcgcc gtgctctgcc tgctcctctt ctctgggcgg 60
cgcgccgcgg cggagaagac tttccgcgga ggtggatgca gatgctactg cgggttgagg 120
gccggtggcg gaggcagcgg cggctattcc accccgagcg aggcggcgcc attcacgcct 180
gccgctgggg agacgactac ccctccgtca ggcggcgggt acttcactcc tagcgtggcg 240
gtccatcca cgctgcgcg ttaggagact acgacgactc ctctcgtcagg cggcagtggg 300
tacggcgggtg caaccggcaa g 321

<210> 26368
<211> 244
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E8

<400> 26368

ggaccggcgt gagggaaacc tagatgaccc gttcctgggt cgggaccaga gagccggccg 60
ggctgcgcct tcgatcgccg ccccgctgcc tagggttccc gcgcctgtag atcgggtttg 120
ggggacgagg aaggggagtg ccaagtaagg gaacgatggg gcctaggcgc tccaagcgcg 180
tttcgtgggc cgacggggcc aatctctgca aggtattgtg attacgtcct tgcggaatg 240
ggtt 244

<210> 26369
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-E9

 <400> 26369

```

ggcgaagggc aggcccggt ccgccccgtt ccatgaaggc ctaaccgag cgggcaggct   60
tttaagtagg gcgcgagtga gagcgagcgg ccaatcggcc gggagcgaag ccagcgctag  120
ctgccgcctc cctccccggt cctcggggtcc gccgcgcgcg cgcgggccgc caccaccgca  180
cgacgccgac caccacaatt agctagcagc ggcgtcgact aataaacgac aatggcgctcc  240
atctccctcg aggacgtccg caacgagacc gtcgacctcg agaccgtccc ggtgcaggag  300
gtgttccagc acctgaaatg cagcaaggag gggctctcca gcgccgaggg agacaatcgg  360
ctcaagatct tcggggccaa caagctgang agaagtcgga gagcaagc               408
  
```

<210> 26370
 <211> 239
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-D4

 <400> 26370

```

caagatggca aatgctctcc taggtggcct gtgggcgata gtcgtcgtcg cggtggtcgt   60
gggcggggtc gccaccgtca cccactccgg caagaacgcc ggcgacgact tcaccgtccc  120
gggggaagcc tccattgcca cgtacggcaa gtcggtcgag ttctgtgcg cggccacgtt  180
gtacaaggag tcgtctgaga agacgtctt ccatgccacc aatggcaccg agaacccca  239
  
```

<210> 26371
 <211> 392
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-F1

 <400> 26371

cttggtctca actgaggtcg gactcgacgt tgtcgacctc aaatcagggc aggagcgcag 60
 gctaagccag cctgggaact acaacgactt ctatgtcttc tcctttatga gcttctatac 120
 tcgagactgt acaagcggct aggtaccgtg acccatgacg acacactaat cactgcaata 180
 ctgacgcgaa taatgagatt gcctgtctca tctacagatt catcaagttg agtatgcagg 240
 tgctgtcata tgttcgttgc acgaatgacg tcatcgcaag aaacacatgc cgtgaagcca 300
 acatattggt cggttatgct gctatgctct ctagcatatt cttagatgca taatgtatac 360
 gcagacgtat actttggtct cgtaatatgt gt 392

<210> 26372
 <211> 322
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F10

<400> 26372

cccacgcgtc cggccacgcg tccatggttt cgtccgcaac catgtccctg cacctgaggg 60
 cttcggtaag caactgccta ttctcattgc atggtacagg atcatgaact gtcgccttat 120
 cctgctctct gtccctgcgt cctgtgcact ggttgcggat gcgtttgaca tacgtggcca 180
 aagtactgac tgcatatcaa cgcgccacaa cgatccggtg ctgacgaata gccgttctac 240
 cactacttaa aacgccattg catcgcgagg accgtatgat gcgtgccgca atgttagcct 300
 tagaccatgc attgacattc ac 322

<210> 26373
 <211> 358
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B4

<400> 26373

gacatttctt caagttttga aaccatctac taagcagaag ttacgttttg aggagattc 60
 ggacaagaag acgttggcgg agttcttgca ggccgtgccca gcgtttctgg gcggtaaatg 120
 cagctgcccc cgatgtgaga agcctcgtaa tagttcagtg gtgcaggcag gggaagggag 180
 caagaaccag gctcgcttgg tcagcgttga tggcggatca cctgtcgtgg acttcgactt 240

cgatgaagaa gagatcccat caccttatag ctgcgagaac gccatcaggg ctgcgataat 300
 ctgcctgctg atgggtgtgca tcttcatcgc gtttctggct gggatgaacg accctgca 358

<210> 26374
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B9

<400> 26374

ggtctggggt gtgggtcctg cttcgagatc aagtgcgata agcctgtgga gtgctccggc 60
 aagcccggtg tgggtgacat cacggacatg aactatgagc ctatcgcggc gtaccacttc 120
 gatttagcag gcacggcggt cggcgccatg gccaaagaagg gcgaggagga gaagctgcgc 180
 aaggcgggca tcatcgacat gcagttccga agggttaagt gcaagtacga ctccaaggtc 240
 accttccacc ttgaaaagggt gtgcggcccc aactacctgg cgctgctggt caagtacgtc 300
 gatggcgacg gtgacattgt ggcagtggac gtcaaggaga agggctctga cacgtacgag 360
 cccctaaagc actcctgggg cgccatctgg aggaaggaca gcgacaaa 408

<210> 26375
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-C1

<400> 26375

tggcgcgcaa cctgtctgtc acattgttca ttctgacggc ctatgtcgcc gcgacggcgg 60
 caccgaccgt ctgtgcggtc aaatctccgg cgagcacaac gaccacaagg aaacacgaag 120
 cagccaaaga agagacggat gcgcctgcca aggcaccagc tgctgcagcc accgaggggc 180
 ctgctgcggg agcgcccatg acatggccgg atggcgggcc tgagtctgtc aagatgggtca 240
 tcaagaacct cttctttaa agcgcacctn catctggtag cgaagacggc ctaccatttg 300
 accccactcc agaaggcagc atgaactaaa ttaaatacca attacgagac cgaccagata 360
 tgcattggagc atgcaagaat gttgtcgaac gaatatatgc tatgaatggt tacatgtact 420
 ggctacatt 429

<210> 26376
 <211> 222
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-C10

 <400> 26376

 acccactcgt cgcgcggacgc gttcgcggac gcgtgcgttt ttttcaacgt ctataccgaa 60
 taacaatcta tgtatccata tatcaactta cacagagaag ttcactacga aagcgaaaga 120
 gacaataaac atcaaagttg aatcatgaga catatgcatg tacatatata taaatataaa 180
 agaacaatta tactgaatct cgatatgttt acgcatgcat at 222

<210> 26377
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-C11

 <400> 26377

 cactgctcat cgtcctcgcg gctgccgtcg cggcctggc cgcgcggccg gcgtctgcgg 60
 gcgggggagc cgcggcggtg gcggagatct gcatgaagac tccgtccccc gacctgtgca 120
 ccaggacggc ggggaagcac gccacaagt acaaggtggt ggacgcggtg acggtgctag 180
 agatgcaggt ggacgcgttc aagaagcgcg tgaaggcggc gcggaggctc gccaaaggagg 240
 aggtcaagac ggccgcgacg cccgaggcgc ggaggcgct gaacctctgc aagacctact 300
 acctggacgc cgccgacaac ctccggcgcct gcaagcgcgc catcggtctc cgcgacgccg 360
 tcaccatccg cgccacgatg agcatggtgg cgcgatgacac gcagaactgc gacgaggagt 420
 tcatgaag 428

<210> 26378
 <211> 197
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-C12

 <400> 26378

acccactcat cgtccacac gttcccgaac atgtacatgc ttttcaacga cctgaccaat 60
 tcctcgacca gggacacttt caacaccaat cgcattccaca ttggcaacta aatcggcatc 120
 acaatcacca acaccatcat caacatcggg aacgactgca tctacatctg cccctgcacc 180
 tgcaacgtga acatcaa 197

<210> 26379
 <211> 314
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-C2
 <400> 26379

cccacgcgtc cgtccacgcg tccgcccacg cgtccgcgcg tggttcgtta ggaaaggaaa 60
 tggaggcccc cagcatctga tctcttcggg gctagagaaa tataggccgc cgccgcctac 120
 tactcattcg gtgaaagggtg cgcagttagg gttgggagat ctcttgcttc acgacacgag 180
 cagcagaatt tgctgagggc cgctggttgc tgcgagaggt ccgggccttc gtgggatctt 240
 gaaaattgaa tggttctaag gagtccaaag gtggcaaaga agaagtctag cagtagacgg 300
 tcctccctga tgta 314

<210> 26380
 <211> 362
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-C3
 <400> 26380

cccacgcgtc cgtccacgcg tccgcccacg cgtccgggag caactccttg ggcaggtcga 60
 cacagagcag ctgggagaaa ctgctgaacc agaggtaag gtgctggacc tgaccattct 120
 gtcacctggc agaccggacc tgatccttcc gatcccggtc caggctgacg agaagggtta 180
 tgcgtttgcc ctcaaggacg gcatccccta cagcttaacg ttctgcttca tcgtcttcaa 240
 caacatcgtg tcaggcctca agtacaccaa cactgtctgg aaaactggag tcaaagtgga 300
 gaccataat atgatgctgg ggacgttcat gcagcagcta gagccctatg tctacgaggg 360
 cg 362

<210> 26381
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C4

<400> 26381

tccacgcgtt cgtccacgcg tccgccact tttccgggag caactccttg ggcaggtcga 60
cgcagagcag ctgggagaaa ctgctgaacc agaggtaag gtgctggacc tgaccattct 120
gtcacctggc ataccggacc tgatccttcc gatcccggtc caggctgacg agaagggcta 180
tgcgtttgcc ctcaaggacg gcatcccta cagcttacgc ttctgcttca tcgtctccaa 240
caacatcgtg tcaggcctca agtacaccaa cactgtctgg aaaactggag tcaaagtgga 300
gaccataat atgatgctgg ggacgttcaa tcccagcta gagccctatg tcta 354

<210> 26382
<211> 214
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C5

<400> 26382

cccacgcgtc cgccgaggag atggctgcct tcatgaagga tttcgacgag cgggggcacg 60
gggcccttac cggcctgac ctgggaggca ccaagtacat ggtcattcaa ggccaacctg 120
gagctgtcat ccgtggcaag aatggatccg ggggcatcac tgtgaagaaa acagggcagt 180
cactcatcat tggcatctac gacgagccca tgac 214

<210> 26383
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C6

<400> 26383

cccacgcgtc cgcccacgcg tccgccacg cgccgccctc cccttccct gctcctgac 60
gacctcaacg agcttctgct ccgacgacga cgacgtgccg ccacatccac atggcggacg 120

acgccgtcgc cggcggagcg gccgttcgct gcgcagggcc ggcgccggcc tcgctgtctt 180
ctagcaggaa gcagcagcag cagccccgacg acgccggctg cggcagcagc gacgaccact 240
accagcacga cgtgatcatg ctgaggcgga cgaggagcgg gcgggcggtt ccgccgccga 300
tctccgtgat cggcaagggc gggcgggcgt ggctctgcct gcgggcgcac cgcgaggggtg 360
gacgcctcgt gctgcggcag atgcgcctgc cgtcgcata gctgctgcag cccctcaagg 420
agga 424

<210> 26384
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C7

<400> 26384

actacatggt gcgtttgttc tgcacggcct tcaccaagag gcgccccaaac caagtcaaga 60
gaacctgcta tgctcaggca tcccagatcc gtcagatccg ccgtaagatg gttgagatta 120
tgatcaacca ggcttctaca tgtgacctga aagaacttgt ttccaagtcc attccagaag 180
ttattggtaa agagattgag aagtctacct ccagcatctt cccacttcaa aacgtcttca 240
tccgcaaggt gaagatactc aaggccccca agttcgatct tgggaaactc atggagggtc 300
atggcgacta caaagaggat gttggtgtga aacttgagag gcctgtcgag ggagatgagg 360
ctgggcaaga ggttgctgct gccagatatt ttgtttgcta c 401

<210> 26385
<211> 425
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-038-Q1-K1-C9

<400> 26385

gtgccgagct caggggagcg gcacgcacgc agaggaggcc tgcacctcag aggggtgggg 60
gaagataccc ttcgggccac tgcgcagcga cgcgattatc gtcgagcccc ctatcgcggg 120
gttaccgggtg atctcgtccg ctcccagccg gatacctcgt tccattcaaa ggcgccctg 180

gcgtgggtgt ctaccgaagg cgatccatac ttcattctcg acaacgtcaa cgagcgagat 240
gtctgggctg agttccaggc acaggaccat gtaagggcat tggcctcttc ttgctgagg 300
ttgcttgctc cttagcatgt ggtgatggga gtttcgtttc ttacatgat ctcatgctgc 360
ggtctattgc taagtccatc ttccccgcc gcgaacggng ggtctgggaa gcaactgcaac 420
gccac 425

<210> 26386
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D1

<400> 26386

tccttccccg tctcctccgc cgttgccctt cgccccctcc atctccggct gcgacgcccg 60
cgagcccgac accgcgaatc ggatccgccg acaaggcgag aggggaagaga tggggctcac 120
gttcaccaag ctgttcagcc ggctgttcgc caagaaggag atgcggatcc tgatggtggg 180
actcgacgcc gccggaaaga ccaccatcct ctacaagctg aagctcggcg agatcgtcac 240
caccatcccc accatcggat tcaatgttga aactgtggag tacaagaaca tcagcttcac 300
tgtctgggat gtcggggggc aggacatgat caggccactg tggaggcatt acttccaaga 360
caccagggt ct 372

<210> 26387
<211> 171
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B2

<400> 26387

cggactcgta ggtcgactca gcgctttagt tctgcttcca gcagccgtaa cgactgggtg 60
gggtgcattt acatacacgg ctggcctttc gagtgtctgg ctacgcacgc acatgttgtg 120
gatcttgtgt tcgtaacact atatggactc cctgagtcta ttatagaaat g 171

<210> 26388
<211> 68
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D10

<400> 26388

cttccaaatc atacatatca tttcacaaac cacattgcta actatacaat gaccattaaa 60

ctaacccc 68

<210> 26389

<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-D11

<400> 26389

gtcctcgacc atccctgcaa attaccgcta tggctcccaa gatcctagtc atccttgtgt 60

tcctcgccgt ggccctaccg gctgctctgg ccgccttcga tgtgatagag atgctggccg 120

acaagcccac gtactccacg ttctgaagc tcctgcagga caccaaggtc gcgggcgagg 180

cgaatcagct ccggtcggcg acgctactgg tcgtccccga caaacttgcc aagcctctgg 240

cgtcgctgcc cgccgataag gtgcggccgg cgggtggagaa ccacgtcctt ctcagttact 300

tcgaccccat caagctggac gagatgaaga cacgcaccgt catcctnccc acgctgctct 360

ccgtcaccga caagaaactc ggcgtcctca actacaccag ggccgacgac gggcagatgt 420

acttc 425

<210> 26390

<211> 201

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D12

<400> 26390

cctgtgctta tcttttctta tatatatacc accattttaa ttctcgacgg aatTTTTTTTg 60

accaccgtga gctgtcatat atgtcgtcca ttgatttgtg ttaatctgac aaaagacgtt 120

gaaaaaaaaa aaaaaaaaaa aaaattataa aaatcaaaaa aaaaaataata aaaaaaaaaag 180

cggtcgttct aaatgttcca a 201

<210> 26391
 <211> 374
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H5

<400> 26391

```

ggagagaact agcaaaggga aaatggctgc ttccacaaac aacactctca ggggtgctgtt   60
caccctaatt gttgcatgcg ccgcagtatg cacagcgaaa aggaccgtat caaagacagg  120
agacttggcg ccagtccctg ctgcattagg agcaggaggc gccaccgcag cccagagaagg  180
tgcagctaga gccagcagga cgttcgacat atcgaagtgc ggcgcgacca ggcacggcaa  240
gacggactcg acacaggtgg tccaggacac gtggacgtca gcgtgcggag cgatgggaga  300
cgcatcgatg ctcatcccca agggcgacta cctggtgggc cctctctact tcagaggccc  360
gtgcatgggg gaca                                                         374
  
```

<210> 26392
 <211> 243
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H6

<400> 26392

```

cttgaggctg ccttggagtg tctcctggg tgcggtgggt cacaccgtgt gagtccacag   60
agtggccacc cttgtggtca tgaccggcaa agcaggcctt gacacagttg tactggtgaa  120
caatagccat cacctcacc ttgatgctga cttggagtgt cctcctggta ccagcgcttt  180
tggtcacgtc gaagtgtatc ctaacaggct gctgcttgta ggttttgaca caatggctga  240
tac                                                                    243
  
```

<210> 26393
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H7

<400> 26393

atgtgcttgc actggcagtc taaagtatgc tcataggact tgtgtacatc gatggtgcaa 60
 tgagaaagga gatgtaacat gtgaaatatg tcatgagcct tatgaacatg ggtacactgc 120
 acctcccaga ggccatcctg atgaaactac cattgatata agtgggtgggt ggacaattac 180
 cggtagcgta tttgacttgc gtgacccctag gatacttgca gtggcacaaa accacatcat 240
 ggaagctgaa tatgatgatt attctgccac aaatgcgagc actgctgact tctgccgctc 300
 tgctgctctt gttttaatgg ctctcttatt gttgagacac gcaactgactc taactgatga 360
 agatgacgac gacacttttag cgatgttttc actttttctg ttgcgtgctg ctggtttcct 420
 gcttccgttc tacatcatgg cttgggca 448

<210> 26394
 <211> 394
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-H9
 <400> 26394

aaggaatgca atcctttctt gcggacctcc aatccagaaa ttaagagaac actgtccgtt 60
 ccagatcatt tcgatgaaga tcgggtgctt ggagttgtcc gtcgagcaaa agataacttc 120
 tgactaacia aaggaaatgc tcgtgacgta tgacccatat cttgttgaag ttcagacaga 180
 gaacctaagt cacaataaac ataggaggaa atgaaggat atatgtttga gctagatttt 240
 gaaatgcttc ggcaaaatta tgtcgagtgt atgtagcttg ggcagtgcag tgcttgtcta 300
 tagcaaccaa tgattctttt gaccactaca aataagcgtg ttctgctatc atctactctt 360
 tgtaaaaaaa aacgccacgt agcccgttca tagt 394

<210> 26395
 <211> 349
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-A1
 <400> 26395

cccacgcgtc cgcaagaaca tgggggttcca caacacggcc ggcgcggagc ggcaccaggc 60

ggtggcgctc cgggtgcagg gggacctcgc ggcgttctac aactgccggt tcgacgcgtt 120
 ccaggacacg ctgtacgtgc acgcgcggcg gcagttcttc cgtaactgcg tgggtctccg 180
 caccatcgac ttcattcttcg gcaactcggc ggcggtgttc cagaactgcc tcatcatcac 240
 gcggcggccc atggacaacc agcagaactc ggtgactgcg cacgggcgca ccgaccccaa 300
 catgaagtcc gggctcgtca tccagaactg ccgctgggtg cccgaccag 349

<210> 26396
 <211> 420
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-A10

<400> 26396

ggtgaaggtg ttcagcaggc attgctgata atgctggaag gcacgatagt caacgttcct 60
 gaaaaaggag caaggaagca tcctcgtggt gataatatac agatagatac caaagatatt 120
 ctttttatat gtggtggcgc tttcgtggat ttggagaaaa ctatatcgga gagacggcag 180
 gattcttcta ttggcttcgg cgcaccagtt cgtgcaaaca tganggtcgg tggcacttca 240
 agtgctcaag tgacatcgtt cttgttgga tgggttgaga gtggtgatct aatagcttat 300
 ggacttatcc cagaatttat tggacgtttc cctatccttg tgagcctaac cgctctaaat 360
 gaggaccagc ttgttcaggt tctcactgag ccaaagaatg ccctgggtaa gcaattcaag 420

<210> 26397
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A11

<400> 26397

cggacgcgtg ggggccgccc tgcgggttct tcccagctgc agcaaccggc cagtgcgcgc 60
 ggttgcggtg catttgcatg gctgcgcgct gcgctctggg agcttgcaact agcgggtcgg 120
 cggcctaggc gcggggcatt tttcgagtgc gtgcgtgtct gttcaagctc tgatcgtctc 180
 tccggcccat tcgccggagg aaactgaccg ccgccttctc gctctcgtc tetaccctat 240
 tcccggggct gagaggggag gagagaaggc cacgtccaca ccataaagca ggacgtacag 300

acacgtgtac gagggggatc acggtcgggt gaggtgacta agctggcgga cggaacgacg 360
acgatggcga ggagcggcgg cgggatggaa ggcagcggcg ggctgaagaa ggtgccgtgg 420
acgcag 426

<210> 26398
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A3

<400> 26398

gaatttccga gcccagagcg tccgcgtgga tttaacatct actgtgtcgg aatcatcggt 60
tatcgtggtc tgtacttttg gctctgtgat tccatcaagc cagttgtcct tactggcaac 120
ctccaggaca atttctttgc cagtttcgct ctgggttggc tgatcactaa tgggtgctgg 180
cttgcatctt accccatcga taccgtccgc agaaggatga tgatgacatc tggtgaggct 240
gtcaagtaca agagctcctt ggacgcgttc cagcagattc ttaagaagga atggcccaag 300
tccctgttca aggggtgctgg tgctaacatt cttcgtgcc a ttgctgggtgc tgggtgtgctg 360
tctggctatg accagctgca gatectcttc ttcggaaaga agtcgggtcc ggcagtgctt 420
aaatg 425

<210> 26399
<211> 318
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A4

<400> 26399

gatgaaggaa cgtaagaaca gggcgaagaa tatccgtgggt gtgaagaaga caaaagcggg 60
agatgccaa aagaagtaag ggaggaagtt acttgccttg ccatttctca tcttagtctt 120
tggtttgttt aggggtgggct ccttccggca atgctgaatg tttagttaga agtagagaag 180
attttgccaa ttacccatca cgttgagttt ctcggtgcac cttctgttca gttttgaggc 240
accttctgtt cagttttgag gcactttgtc agacacaaga atatataac ttgggtcatca 300
cggcttttgt cctgctag 318

<210> 26400
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A5

<400> 26400

acccacgcgt ccgctccgat ccatacaaa tcgccgagag cgatcgagag ataaataaag 60
atgaagaaag tggcatcatc gtcagccgtt ctcttcgtgc tagccctgac gctagtttgt 120
gccccgctga tagcagagggc aaagaagaag agagtcgccg ccgccgccgc cgaggagaag 180
aaggtgcagg acaacttctg ctgcagctg tgccagggca ggaaggggat ggacctggtg 240
gtgtgcaagg agtcctgcga cctctcacag cgctccaacc tgggtgctgta cggccggatc 300
cagtgcagg gcaagtgcac cgagcagaag ggcatcaccg cgccgcagat gaaggtgtgc 360
caagaggcgt gcgacaagga ctacgtggtc aaggcggctg atgtcacc 408

<210> 26401
<211> 96
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A6

<400> 26401

cccacgcgtc cggcggatga gtgcgacggc tacgaggccg gcccgctggt cgccgccgct 60
ggaaccggaa ccggaaccat tcccgggtga acccgg 96

<210> 26402
<211> 427
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-038-Q1-K1-A8

<400> 26402

cccacgcgtc cgcccgctggc cgccacgaac tgcttcaacg cgacgtgct gagggccacg 60
acgcggcgctg cgctggcgag gtacgatggc ccgtgcttgg cgaccaaccc catcgaccgg 120

tgctggcgct gccgcgccga ctgggcgacg gaccggaagc ggctggcgca gtgcgcgcgc 180
 gggttcggcc acaggagcgt cagctgcgcg gccggcaagc tgtacgtggt gagggacccg 240
 agcgacgacg agatgatcat cccgcggaag ggcacgctgc ggcacgcggt gatccaggac 300
 cggccgctgt ggatcgtgtt cgcgcgcgac atgggtgatcg agctgcggca ggagctgac 360
 gtgaaccaca acangacgat cgacggggcg ggcgcgcagg tgcacatcat gttcgcgcag 420
 atcacgc 427

<210> 26403
 <211> 357
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A9

<400> 26403
 cggacgcgtg ggggccgccg tgccggtttt tcccagctgc agcaaccggc cagtgcgcgc 60
 ggtttcgttg ctttttcatg gctgctcgtc gcgctctggg agcttgcaact agcgggtcgg 120
 cggcctaagc gcggggcatt tttcgagtgc gtgcgtgtct gttcaagctc tgatcgtctc 180
 tccggcccat tcgccggaag aaactgaccg tcgccttctc gctctcgtct tctaccctat 240
 tcccgggggt gagaggggag gagagaaggc cacgttcaca ccataaagca agacgtacag 300
 acacgtgtac cagggggaac acggtcgggt gaagtgacta aactggctga cggaacg 357

<210> 26404
 <211> 270
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B1

<400> 26404
 cccacgcgtc cgcggacgcg tgggtcttga ccacctctcg aggcgcagag tcgtcgttgg 60
 caaataaaat caaactgtgt gtttttagcg ggcaagtgat tggacgaaat gtaaaaaaga 120
 acgaaaccag aacagcagcg cgaaaaaaaa aaacaattca cgattctttc gagtaactgc 180
 aaaaagaaaa ttgtaaattg gtagcaactc gtttcttgcc cttggtggca ggattgaata 240
 aactgatcga tacggggagc tgttcaattg 270

<210> 26405
 <211> 367
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B11

<400> 26405

gtgccgagct caggggagag gcacgcattc tagaggaggc ctgcacctca gaggggtgag 60
 cgaagatacc cttctggcca ctgcgcacct acgcgattat cgtctagccc cctatcgagg 120
 gggtaccggg gatctcgctc gctccagacc ggatacctcg ttccattcaa aggcgcccct 180
 ggcgtgggtg tctaccgaag gcgatccata cttcattctc gacaacgtca acgagcgaga 240
 tgtctgggct gagttccagg cacaggacca tgtaagggca ttggcctttt ctttgcgtga 300
 gttgcttgct ccttagcatg tgggtgatggg agtttcgctt ctttacatga tctcatgctg 360
 ctgtcta 367

<210> 26406
 <211> 228
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B12

<400> 26406

cggacgcgtg ggcggacgag tgggtctttt tttttcttta tagtgaataa caatctatgg 60
 atccatatat caacttacac agagaagttc agtacgaaag cgaaagagac aataaacatc 120
 aaagttgaat caggagacat atgcatgtac atatacataa atataaaaaga acaaatttac 180
 ggcgtctcga tgtgttttac catgcatata tccgcatgca tgcattgc 228

<210> 26407
 <211> 383
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H4

<400> 26407

cttacgctta ggcttcgtct tcaaagtcta cattgtgttt tcaacatcgt actactataa 60

tatgagcatg tattactaca taatcatatc actattgcag gaagtgctct attttttcaat 120
cgacaaactt ctctggctct ggactgacag ctattttgag catccgatct cgaacactct 180
gcttcattga cttgcatttg cagctatctg gtttcaaaat gccagcctgt atcacttgac 240
catgtcgcat gccttccatc gctaggagcc cattatagca actgaggacg acgtatgcgc 300
accatctagc cgattgccga aaggcgctcg ttgaagcgag gatggtcgcg agtctatata 360
gcaccggcgt ccgatatacct gca 383

<210> 26408
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G1

<400> 26408
atcgatgcga aagcgtccgg gcctgggtggg ttcttcgaca tcaccaagtt gggcgcctcc 60
ggcaatggca agacagacag cacgaaggct gtgcaggagg catgggcatc ggcgtgcggc 120
ggcactggga agcagacaat cctcataccc aaggcgact tccttgctcg acaactcaac 180
ttcacaggcc cttgcaaggg cgacgtgacc atccagggtg atggcaatct gctggcgacc 240
acggacctaa gccagtacaa ggaacatggt aattggatcg agattctacg cgtggataac 300
ctggtcatca ccggcaaggg aaaccttgac gggcagggcc cagccgtgtg gagcaagaac 360
tcctgcacca aagagtacga ct 382

<210> 26409
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G10

<400> 26409
ccctcgctc ccccataccg gggcccggta accagcatcc ctccggcagcc gctgccgacc 60
gatccgtgtc cgtgcgagac gcgggagggg ttggcgcccc aggctgaccg ggatgttctc 120
cggcgactgg acgccgccgt gcggcagctg ctgcaccaag aaatacgcca gcctcgtgca 180
gatcccatgg aggggtgttct gcaagaaggg gtgcaacgcg gacggcgaca cctgggacga 240

gtgcatagga aaatgtactg aaatatgcta caaagatccg gtgttagaag atcgccagtg 300
gagcgcttac attgatcgat ctccagggca agatagctac tctttggaat gcttcaatgc 360
ttgtgtgtct ggctgtggat tcagatttga ca 392

<210> 26410
<211> 454
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-037-Q1-K1-G11

<400> 26410

gaaatctcca cccgcacccg caccagcacc agcacctatt agctcgccctc cccacttat 60
caaatctcct cctccacccg ttccggtag ctcaccacca ccactactaa aatcgccctcc 120
acctccagta tctatgagtt taccacctcc atctgtgaaa tctccaccgc cgttgccacc 180
aaggtcacct ccagcgccag tgaaatcacc acctcctcca ccaccagtaa gttcgccgcc 240
accaccagta ccggtgaggt caccaccacc gccaccacca tcaccgatta gttcaccacc 300
gccatcaatg aaatctccac cctcaccagc acctattagc tcgcctgccc cacctaccaa 360
attcctcct ccaccggttt cggttagctc accaccacta gtaaaatcac ctccatcttc 420
agcatatgtg agtgaaccgn ctccaacggt gaaa 454

<210> 26411
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G12

<400> 26411

cccacgcgtc cgcccacgcg tccgcggacg cgtgggtggg ggcttcgcgc tcggcctggc 60
catgaaccac tgcattgtcg acggcatcgg cgccatggag ttctgtaact cgtgggcgga 120
gacggcgcg cgggtcgccg agtcaccgt gccgccgttc ctggaccgaa gcgtcctgaa 180
ggcgcgcgac ccgcccgtgc ccacctccc ccaccagag ttgcgcgaga tccccgacgt 240
ctccgacacg gcggcgctct acggcgcgca ggagctgctg taccgctcct tctgcttcga 300
cccggaccgg ctggagcgcg tgcgcggcct tgcgctcgcc gacggcgccc tgggcccgtg 360

caccaccttc gaggcgctgt cggggctgggt gtggcgcgcg cgcac

405

<210> 26412
<211> 415
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-037-Q1-K1-G2

<400> 26412

gtctccaatt tctctgactt ctccctgagc ctttgcgggc ggctggagct ggacgggtccc 60
cgggcagcgc aggcagacgg actgcgggag tcacctgcat ggctcagct gctactgcaa 120
ccctcccaa ggttcacttg aggccaagat gcaacagcta ctttcaggtg accgggtcaag 180
tccatgccca caccaaaaca tgcgggtgcct gcaagtgtcc gacctatatt cacgggttgc 240
tcgtttcaac tggaggaaag aggacattcc tgccggtgtc tgcagctgga tcaggtcaag 300
gctcatcggt cactgatgcc gacaggaaga acgatttgtc gatggagaac gtccagacgt 360
tcgttgata ccgcgacggt gaaaagatta atgtacgagt gcatntgcct ggaaa 415

<210> 26413
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G5

<400> 26413

atccaaccag ctgccgaggg aggaatccta gcggaacact gtccaggtga cggcggcgcg 60
ctaccggtga cgggggatac ggcggtcatc tcccctctc catccccggc gggcgggagc 120
cagcagccgt cctgcagatc agtcaacaa agataacott gcgcgcctc ctaagaagat 180
caagactacc cagccaggtt ctacagacc tcaaaacott aatcgttaga tcacgcccgt 240
tctcatgaag aattccggag gaggcgccc ccatggcgat ggcgggcaca tctacaatgt 300
ccgggccgtc gagatcctcg ccaacgaggg cctcctgtc cccatcaatg aggccgtccc 360
aatctacgag aatctgtcgc ccactttccc cagggccgcc aaatactgga agcagtatgt 420
cgaagcctac atggccacca acaacgatg 449

<210> 26414
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G6

<400> 26414

agaaggactt cacggacatc aacgtcacgg attgcactct taagaagacg atgctcggcg 60
 tccgcatcaa ggcgtccgag gacgccgtct tcgtgtcac cgtctccaag atccactacg 120
 agaatatcaa gatggaggac tcagccaacc acatctccat cgacatgaag tactgccccca 180
 acaagttgtg tactgccaac ggagcctcca aggtcacctg caaggatgtc accattaaga 240
 acatcacggg cacctectac acacgcgagg ccgttagcct gctctgcact gtcaagggtcc 300
 catgcaccgg cgtcaccatg gatgacgtga acgtcgagta tagcggcacc aacaacaaga 360
 ccatggctat atgcacgaac gccaatggca gcaccaacgg ttgcctcaag gagcttgcac 420
 gcttat 426

<210> 26415
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G7

<400> 26415

cccacgcgtc cgggtggggt ggcttctcct cccctccgg ttccgggttcg ggttcgtgag 60
 gttctccggg gtccggtttc gtgggtgagc ggatcgagat ggccggcgtc gatgttgagt 120
 accgctgctt cgtccggggc ctgcctggg ccacggacga ccaactccct cacaacgcct 180
 tcagcaccta cggcgaggtc ctcgagtcca agatcatcct cgatcgggag acgcagaggt 240
 cccgcggctt cggcttcgtc accttctcca cggaggagge gatgcggaac gccatcgagg 300
 gcatgaacgg caaggagctg gacggccgca acatcacctg caacgaggcc cagtcccgcg 360
 gcggccgtgg aggcggcggc ggcggcgggt acggtggtgg ccgtggaggc ggcggctaca 420
 gcggtggcgg gcgccgt 437

<210> 26416

<211> 389
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-G8

 <400> 26416

 tcgcccacgc gtccgacaaa gcagtcgaaa agaataaatg gaagccattg cctctaattc 60
 aggaagcttt tattggtctg actgctggag caattggtgc ttgttttggt agtcctgctg 120
 atctggcact cattagaatg caagccgact cgaccctgcc agctgcacaa cgacgcaact 180
 ataagaatgc tttccatgca ctctaccgta tcagtgtga tgagggagtc cttgcgcttt 240
 ggaaggggtgc atgttcaact gtggcgagag ctatggcact caatatgggt atgcttgctt 300
 cctatgacca gagtgtcgag ctatttaggg acaaatgttg cgcattgagaa atttctactg 360
 gtgttgagac cagagcttgt tctggattc 389

<210> 26417
 <211> 464
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-G9

 <400> 26417

 gcttgtttat gattgcacat caaaggaatg caagaccagc ggatctagta tttgcagagg 60
 gtgtgttgtt tgcattctta gatgtttgcg atgtgggaga tgtatcgaca gtgagtttga 120
 atttgaagag acatTTTTTtC tggggagcat ttgccgtgac tgtgtcaagt attcaccCCA 180
 ccacagaaaa atagatgttt gattctgtta tccattggat ggatacagtt gtaacattgg 240
 atttctgtga ttgatgtcc catccatcag acatcttgac tgagtatttc taacaaggaa 300
 aaaaaagaga gaaaggtcta ccagtttgct atcgggtgtan gtgcagcagc tgatataTnt 360
 gttttgcttg cangaaaaac gaagaataac agtataacct aagaaatcag aagatcaaag 420
 tatggtttcc gtatcatggt gtcagcagtg aatggtgaca actg 464

<210> 26418
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H1

<400> 26418

tcgaaaacat agagtgtcga cttttctatt ggtgtgattg ggggcactaa atacctaaca 60
cattgcactc agactacata tactgtgttt gtgtgttgta tgccgtatgc gtgtgtgagc 120
ttgcgcaaat tggacatcta ggccgtgctg atcctgcgat gaaaggcgcc gtcacgcggc 180
catcgaccgt cctggtcgtg gcggtggtgg ccaccatctg cgtcgtttcc ttcaaaggca 240
gcggcgatgg cgggagggcc gaagagggcg agatgtccac gtcggtgaag tccatcaagt 300
ccttctgccg gcccggtggc tacagggaga cgtgcga 337

<210> 26419

<211> 361

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-037-Q1-K1-H10

<400> 26419

gcagcaagca actgcaaagc agcaagctct actcttcttc tgtactgaac gtgtgactag 60
ataacaacaa gcgtgaacca tggcggacga gtacggccgc agcggctacg gcaggtccgg 120
cgccggcgac gactacgaca gcggctacaa cagcaagtcc ggcactgatg actacggccg 180
tggcgaaggt ggctacaaca agtcggggcg cgatgacgac tacggccgca gggcgggcga 240
tgggtacggc aggtccggcg gcgacgacta cggccgtggc accggcgggcg gtggctacaa 300
caagtccggc ggcggagacg actactgccg cagcggcggc gacgactacn gccgtggcac 360
c 361

<210> 26420

<211> 364

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H12

<400> 26420

cggacgcgtg ggcggacgcg tgggaaagcc agctatgaga atgtttcgaa gaagtggata 60

cctgaactga agcattatgc acctggtgtg ccaataattc tcgtagggac aaagcttgat 120
 cttcgagatg acaagcagtt ctttgtggat catcctggtg ctgttcctat cactactgct 180
 cagggagagg agctaagaaa gcaaataaggc gcgccatact acatcgagtg cagctcaaag 240
 acccaactaa acgtgaaagg tgtcttcgat gcggcgataa aggttgtgct gcagccgcct 300
 aaagcgaaga agaagaaaaa ggcgagagg ggggcgtgct ccattttgtg atctaataat 360
 gatc 364

<210> 26421
 <211> 322
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-H2

<400> 26421
 cggacgcgtg ggctacagtg cagacaccgt atatgctggt ggagccactg cctacatcct 60
 gtggacatcc ttcgacacca ctctgacagg cgtactgcag gaagagcatc accatggcct 120
 tgacgccagg ttcttgcgc agatcgatgg cctatcagag gtagcagcat actatccaac 180
 tgccaccgat taggccagca tatggcagtt cgaccagatg ggactttcag agaccttaga 240
 cgagcagggtg ctttctncat tgcagatgag cagcagtgca tatgccttga tgccgatcgc 300
 tacagactat gatgagtgtc tc 322

<210> 26422
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H3

<400> 26422
 ctttctcttt ttcttcgtct tcaaagtta cattgtgttt tcaatattgt actaatataa 60
 tatgagcatg tattcttaca taatcatatc aatattgcaa gaagtcctct attttttaat 120
 cgtgaaactt ctctggctct ggactgacag cttttttgag catttgatct cgaacactct 180
 gctttattga cttgggtttg cagctatctg gtttcaaaat acgatcatgt atcacttcag 240
 catgttgatg gcttcccatg acttgagacc cattatagca actgatgacg acgtatgcgc 300

accatctaac cgattaaaga aaggcgctcg ttgaagcgag gatggtgggg agtagatctc 360
gcaccggcgt tggatatcgg acagggggaa gaaggcactg agggccaaaa accaccacaa 420
cgggtga 426

<210> 26423
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F9

<400> 26423

caattaacta gcttcttcta gctctagcta ggctcgtctg ctgcaagaag gtaacagcgc 60
aggcatggag gggaaggagg aggacgtccg cctgggcgcc aacaagttct cggagcgcca 120
gcccacggc acggcggcgc agggcacgga cgacaaggac tacaaggagc ccccgccggc 180
gccgctcttc gagcccgggg agctcaagtc ctggctcttc taccgcgccg gcatcgccga 240
gttcgtcgcc accttctct tctctacat ctgcatctc accgtcatgg gcgtctccaa 300
gtccaccttc aagtgcgcca cgtcgccat ccagggcac gcctggctct tcggcgccat 360
gatcttcgcc ctggtctact 380

<210> 26424
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E5

<400> 26424

ggcaaagtct ctcttaggtg gcctgtgggc gatcgctcgt gtcgcggtgg tcgtcggcgt 60
ggtcgccacc gtcacccact ccggcaagaa ggccggcgac gacttcaccg tcccggggga 120
agctccatt gccacgtccg gcaagtcggt cgagtccctg tgcgcgccca cgttgtacaa 180
ggagtcgtgt gagaagacgc tctcccaggc caccaatggc accgagaacc ccaaggaggt 240
gttccacagc gttgccaagg tggcgtgga gtcggtgaaa acagcggtcg agcagtccaa 300
gacgatcggc gaggctaatt ccagcgactc catgaccgag agcgcgcggg aggactgcaa 360
gaagctcctc gaggacgccg ttgacgacct catgggcatg ctcgagatgg ccggcgccga 420

catcaaggtt gctatcagcc ggtc

444

<210> 26425

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E6

<400> 26425

cggacgcgtg ggcgagagga gaaccagcag cctccaataa gagccagcca gagaaactaa 60
taaaactctc gccgccgcca tccgagcgaa caagccaacc gaccccgctcc ccaaggcaat 120
ccgccgccga cgtaccacca ccaccgcagg agcgagatgg agatgaagag gatcctcttc 180
gccgtcctcg tcgtcatcgc cgcctcggcc accgcagtgc tggcctgcac cgaggccgcc 240
gccgcggggc ccccaactgc ctccgagtcg tccgccgagg ctcccgtgg cgctggcgct 300
ggcgctgccg ctggcgccgt cgcctcggcg ccctccgcca gcagcggcgc gccgcacct 360
gacgccgcgc ccgccgcgt cctcttctgc ctactcgcct actacctaca ctaagcgtgt 420
gcgtgcg 427

<210> 26426

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E7

<400> 26426

gggttggctt ctctccccc tccggttcgg gttcgggttc gtgaggttct cgggggttcg 60
gtttcgtggg tgagcggatc gagatggcgg cgtctgatgt tgagtaccgc tgettctcg 120
gcggcctcgc ctgggccacg gacgacct ccctccacaa cgccttcagc acctactgcg 180
aggtcctcga gtccaagatc atcctcgatc gggagacgca taggtcccgc ggcttcggct 240
tcgtcacctt ctccacggag gaggcgatgc ggaacgccat cgagggcatg aacggcaagg 300
agctggacgg tcgcaacatc accgtcaacg aggccagtc ccgcggc 347

<210> 26427

<211> 446

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-E8

 <400> 26427

 atctcttctt cctctctcat ctaagccggt ggccaggggg cataacccag ccgacgggggt 60
 acggggggcgt ggggggtataa cccggccggc gaccacggac cgcgactacg atcttcatag 120
 tcgaggccct gctaccttgg gccccgaggt ccttgacatt tcaatgtgga gaaaaggata 180
 taccgtgcct ttattttgaa taatagttat ccaagaatth gttctaggcg aattcgatga 240
 cgacgcgact gctgcatacc atgaaaatat cacttctgag ttagttgacg atgaccatca 300
 tgtgaaagat atatctcaga ggtatcatgt tcacttgtat acaaattggga ctgtatgcga 360
 tctcacagat attccgcggg agacagaggt tagatttgtc tgctcggagc ctactgtact 420
 gattagttca gtcaaggaga tctctt 446

<210> 26428
 <211> 361
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-E9

 <400> 26428

 ctcgtacacg agatcaacca acggcatcgc tgccactgca gcaggagtgg cagcaactac 60
 tcacagaaag gtcggcggtt ttccgtttgg catgtcaaac atgtattagt gactggatca 120
 tggccgaatc atggtgaatc ctctgtgagg ttgctgggtc tatgctgcct tcagggtggct 180
 aaacaccgac aacttgaagc ggccaatcaa acctttggct ggatgctgca agtttagagt 240
 gcagtagaca gtgttttttc tgtgtggtca ggaaaagaag aacaccgctg gcggcatgaa 300
 gcctgccaaa aaagtttgta tctgcctgtg cctgagaagt gtgcccttgg tgtgcacact 360
 g 361

<210> 26429
 <211> 437
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-F1

<400> 26429

acgcgtacgc tgacgcttgc ggcgattcga aataatcggg tataaatagc tcgggagtgc 60

ctgaagcgcg cacatatata ttcttgccaa gataaaggta atggagtcga cacgcatgtt 120

ccagcacggt cgtgaccta cttatactga tcattgtgta caccgatatg gcgcacgcaa 180

gggaatgcga gaagtacagt gagcgatttc ttggagcatt catgatcgca gacaactgcg 240

ccaatgtgtg ccgcgctgag ggcttcttgg ccggcagggtg cagcaccttc cgccgctgat 300

gcatctgcac tatgcagtgc taaacaagat cgatcgatcg ctcgacatgc attgacaacc 360

tattcttaat aacgttcatt atctcgttct tatctatgac taatgtcatg tatgtcctcg 420

tgactgacat gtatatt 437

<210> 26430

<211> 338

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-037-Q1-K1-F10

<400> 26430

cccacgcgta cgtccacgcg tccgcacagt gatgcctttc gtggtggaag ttgtccttga 60

gattgcaaaa ttgtgtgatg tgtattcgat ggagcgtctt cttgatgatg agagtgaggg 120

acagggtttta tcggtcctga gtgaagctgg gcttttttgg tgtggtggat tgctaaaaga 180

tatggttttc ttctgtagca ccgtgaatgg tcgtacatat catgatcggc aactcgagcc 240

tgattggcat atttacacga gtccttgaga tgnacaccaa tgagctaggt ttatcaaatt 300

tcaactgcac atcttcccgc agcgacctga aagaatag 338

<210> 26431

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F11

<400> 26431

tcgccacgcg ttccgcacgc gtccgcacag tgaagccttc cgtggtggag gttctccttg 60

aggggcaaaa ttctgtgatg tgtatttgat ggagcgtatt cttgatgatg agagtgaggg 120
 aaagggtttta tcggccctga ttgaagctgg gcttttttggg ggtggtggct tgataaaaga 180
 tatggttctc ttctgtagca cggatgaatgg ccgtacatct tttgttcgtc aactcgagcc 240
 tgattggcat attgacacta gtcctgaagt tgatcactaa ttagcttggg ctattaaata 300
 tcaac 305

<210> 26432
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F12

<400> 26432

ggcaaaggct ctctaggtg gcctatcggc gatcctcgtc gtggcgggtg tcgtcgggtg 60
 ggtcgccacc gtcaccgct cgggaagaa ggccggcgac aacttcacgg tcccggggga 120
 ggcttcctt gccacgtcg gcaagtcggg caagtccctg tgccgcgcca ccctatacaa 180
 ggagtcgtgc gagaagacac tgtcccaggc caccaatggc accgagaacc ccaaggaggt 240
 gttccacagc gtggccaagg tggcgctgga gtcggtccag acggcggtcg agcagtccaa 300
 gtcgatcggc gaggccaagg ccagcgactc catgaccgag agcgcgcgcg aagactgcaa 360
 gaagctcctg gaggacgccc tcgacgacct gatgggcatg ctcgagatgg ccggcgggca 420
 catc 424

<210> 26433
 <211> 372
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F2

<400> 26433

gcgtacgggtg ctacctctga cgatgaggac gccgtgtacc gaccttcat gatgccggtt 60
 ggcacatgt ccggctcctt gtatacagct acgatgaatc cacctcagtg ggaatctcac 120
 tgataccttg gtgcaaccca ctgctttgag caaccacctc tgcccgactc aacttgcca 180
 ctggcatatc catacagcgg cagatacat ttccaagatg gagcgcgctc tccaggcctc 240

atcaagggca catattgaat tcggatcatc cctgcctctg accagagtgg attttgaatc 300
 tgcagatggc tctatcacct atacaaatgt acgagctgac attctgcatt cattgcatg 360
 ccaaccgaaa cc 372

<210> 26434
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F3

<400> 26434

agtcgggtcca gacggcggtc gagcagtcca agtcgatcgg cgaggccaag gccagcgact 60
 ccatgaccga gagcgcgcg caggactgca agaagctcct ggaggacgcc gccgtcgacc 120
 tgagggggcat gctcgagatg gccgtctgcg acatcaaggt gctgttcagc cgggtccgacg 180
 acctcgagac ctgggtcacg ggcgtcatga cgttcatgga cacctgcgtc gacggcttcg 240
 tcgacgagaa gctcaaggcc gacatgcact ccgtgctgcg caacagcacc tagctcagca 300
 gcaacgcgct ggccatcacc aacaagtcta gcaggatccc tgataaaatg gacctcatgc 360
 atgttcagca aggactcgcg ccgcctactg ctgtcgtagg atcatgatta gaaaggctgg 420
 cccgtgtgga 430

<210> 26435
 <211> 132
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F4

<400> 26435

agtacgcgta gacggactcg tggcaatcca agtcgatcgg ctaggccaat gccagctact 60
 gcatgaccga aagcgcgcg caggactgca agcagctctt gcaggacgct gcatacgacc 120
 tgatgggcat gc 132

<210> 26436
 <211> 228
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F5

<400> 26436

cccacgcggt cgcggaacgc tgggggtgatt tgaaataatt gggaataaat agttcgtgaa 60
tccctgaaac ctgcatatatt gtaattctgg ccagaaaaaa ggaattgaag tcgtcacgcc 120
agttccaagc cggccttatt cctgttcttc cggttaatgg gttcaaccat tttgcaccag 180
ccaaggaatt ccaaaagtgc catgaaccaa ttggttgggc cttcctta 228

<210> 26437

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F6

<400> 26437

gcgaatcgcc ggaccgggtcg gcgacggaga cgacagagcc caagtcgaag cgatccgatt 60
ttgccggcgg cagcgaccgg agtatggggc tgggaggccg gggcgtggtg ggagacaggt 120
ggtcgcaacg catcctctgg atttgcgcc tgggcagcgc cgtgagcctc tacttcgtgg 180
cgggtggagag gcaggctcag aatcgtgccc gggcgtggc ggagggcctc aaggcgctcg 240
acggcgccgg ggatgacgtg tgacagcggg ggacgctgcc gtgcagaggg cctcctttgg 300
ttcacatgtt cacagaacct catagcgttg caataatgta ctaaacadct gtgctcagtc 360
tttgtagaat taaatgtgga tcaatgtgag tgttctccta tttcacataa ttcactctgag 420
cctttgttgc tgcacagaaa tgttgatcc 449

<210> 26438

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F7

<400> 26438

gttgcccgac agctggaacc tgaagggatc ctttgcaccg gttttgggtc tgggaagcta 60
cttcgttctg ataacggcaa tttcttctgg gctctgtgcc agacaccgat ctttgtctgg 120
cacaaatcct gtgtgaggtc tcaagggcag cgagcacttg ataatgtgcg cgctctacct 180

ccaaatgagt gtctcgagac acactctgat ctttgtgacc cgggtgccga gctggtcctt 240
 tgtggagcgc cctgggtctgc tgctggtcac cgcgtttctg ctcgccagc ttgtcgcgac 300
 ctttctcgct gtctacgcca actatggctt cttcacgata aacagtatct tctgtggctg 360
 ttccactgtt gtctggctct acagcatcgt gttctactat cctctggacc tgatcaagtt 420
 cttcatagc ttcgtgctca gc 442

<210> 26439
 <211> 449
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F8

<400> 26439

cccgatcgcc accgccgacc ggactcccct caaaggcggc cacagcacag cgagcatggg 60
 agaccggcat cagcatgggc ctggcagcgg cgtggaggac ccggcgaccc ttcttccgcg 120
 ggtgccaaac cgtgcccga aactgaacct aggtgggtggg gttcctgacc ctgctgcgct 180
 ctggcgccgt gctgctgctg ctaacggggg taacgctgac gggcgccgtg gtggcgctcg 240
 tcttctggg ccccatcgcg ctgctacca gcccacatctg ggtgcccgta gccgtcgtga 300
 tctccgccat cgtcgccgcc gcgctctccg actgcgcctt cgaagacgcc gcgctccccg 360
 tggccacctg tatgtaccgt tacttcacgg gccgacaccc tgtgtgcgca gaccgtgtgg 420
 actacgcgcg catccggatc gccgacacc 449

<210> 26440
 <211> 379
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E4

<400> 26440

gaggaggggc ctgcaggctg cagcagctgg aggtaccctc ttctctctct gctcctctag 60
 tgtattctgc gtgccacgcc ctgcaatccc tcgccaacat tttgagccac gcgagacgct 120
 gcctcttggc ttggatccgc ccgtgaaatt catccctgcg tcggctcacc cacgcagcgc 180
 cggcggcctc cctcttgcgt acggagtagt aaaataagaa ttccggtcgc acctccgatc 240

cgggcgtctt tccatgagcg gccggtttaa ataggccggg gacaaagatc gggcgcaggt 300
gctggctggc acgcatcagg tttggctttc ttttggtgct atctatctcc ttgttccctc 360
ggattgtcct tgtcgttgt 379

<210> 26441
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D12

<400> 26441

cccggattca gacaggtgct accattcgat ttgatttggc gtggagcact ttcctatggc 60
cgccctccatc gcggcctcgt ccttcttttc agggtcaccg gcgccggcgc ctccctaagaa 120
cggccttggg gagcgcccag atagcctgga cgtccgcggc gttgcggcga agccgggagc 180
ctcgtctagt gccgtgaggg cgagcaagac gcgcgcccac gctgcgggtcc ccaagatgaa 240
cgggtgggggc aagtccgcgg tggctgatgg ggagcacgaa accgtacctt cttcgggtgcc 300
gaagactttt acaaccagct ttccgactgg agcatgctcc ttgcggccat caccactatc 360

<210> 26442
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D2

<400> 26442

aggggctgta tcatatatc aatagaggtc atgcgcttgt gcaccttact gcagatatat 60
acacacgtac aggggcaaga caattttttg ttgtgtgcat gggcctctgc tcctccacac 120
ctggggaagg ggaagggatg ggacggggat ttgcttgtgt gcttgctttg tgtttaattt 180
tgtacgtagg ctgggaacat gtgtttgggt ggatgatgat gatgatgctg ctgctgctgc 240
ttataaactc aacattcttt ataccttgta ttgtacaagt gcatgtacaa gatgtgagtc 300
gacccgtttg ggttgagtaa ctctcgagtg tttttcttc catgggtgat cgttttctctg 360
tttctccaga attttctgag caatgtacag acagacaaac ttttgtgtga aaaatgaaat 420
ataattataa 430

<210> 26443
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D3

<400> 26443

cgacggggtg ttcagctaca accagatggg cgacgtgccc ccgcgcgtgt acggtcccct 60
 ccatgtgatc cccaatgtca tcaccgccga gttccgcacc ttcacgcaga tcgtcttcga 120
 gaaccccgag aagagcatag actccctcca cgtcgatggc tactccttct tcggcgctcg 180
 gatgggcccc gggtaagtgg tcgccggagg tgaggaagac gtacaacctg ctggacacgg 240
 tgagccggca cagcatccag gtgtaccgc ggtcatggac ggcaatcatg ctgacgttcg 300
 acaacgcggg catgtggagc gtgcattcca acatctggga gcggttctac ctcggggagc 360
 agctctacat catcgtcgtc tcgccggcgc gatcactgcg cgacgagtac aacatgcccg 420

<210> 26444
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D4

<400> 26444

cggggcggca ttggccgtcg gggaccttga ggtgctcacc gctctcgact cctcgaagac 60
 tcaactgttac cacttcaccg ccatcgtggg ctccgtcatg gggttcttga ccgtcgccta 120
 ctacctcttg tgcacttacc tcgcgactaa gtcctcggc cgcacttact acaccgtgga 180
 ggggtccgag acgcccggct cccttcgctc gcacgtgtcc gcgtacgtca acggcttgtc 240
 cttcttgggc acgctgtcag ggcagctctt cttcggttgg ctgcgtcgaca agctcgggct 300
 caagaaggtc tatggcatga cgctcatgct catggctctc tgctccgtcg cgtctgggct 360
 ctcgttcggc cacaccccg tgcctcgtcat ggcgacgctg tgcttgttcc gcttctggct 420
 cgagttc 427

<210> 26445
 <211> 404
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D5

<400> 26445

```

ccctactcgtc cgggcccgcctc tttttttttt tttttttatg cgtatgaaca cctgtaaata   60
atcgtgtatt cacttgtcaa aaaaaattgt agtattcagc aaacgagaag ctgtaggcac   120
gcagattaca ggcagcatca tcatcatcta ataataataa ttcaatatta ctgcccacat   180
tacagcacca acgacctatg accaaaccac ggagctcctc tccatggaag cgaacggtga   240
caaaaacacg ccaaaatgga ttttaaaaaa aaaaacctca agagcgacat tgcgcgcaac   300
gtcatcctcc tccgggcagt ctaggaagcg gcggcaggga cagcaggggt ttcctgctcc   360
ttcgccagag actcccagtc gaccttctgt tctagatcgc gagc                       404

```

<210> 26446

<211> 259

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D6

<400> 26446

```

gaggaacacc ccgtcctcct cactgaggcg ccctgaacc caaaggctaa ccgtgagaag   60
atgaccata tcatgttcga gaccttcaac accctcgcta tgtacgtcgc catccaggcc   120
gtcctgtcta tgtatgccag tggctgtacc acaggtatcg tgctcgactc gtgagatggc   180
gtcagccaca ctgtcctcat atacgacgga tacgtctctc tccacgccat ccttcgtcta   240
gacctggctg gccgcgtcc                                     259

```

<210> 26447

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D7

<400> 26447

```

cccacgcgtc cgccgttcct cgtcgtctcg tgttgtttct cgcgttgcca ttgccccagc   60
tgtccgcccg cgcccgcggc aatggcaggc ggcgtgggtg tgaacgcggc cgggggcaag   120

```

acgtaccccc gccgcatgac gccgttcgtg ttcttcacct gcctggtggc gtcatacgggc 180
ggcctcatct tcgggtacga catcggcatc tccggcggtg tcacgtccat ggcgtcgttc 240
ctcaaggagt tcttcccttc cgtgtacgcc aaggcggcgg cgaacaagga cacgaaccag 300
tactgcaagt tcgacagcca gctgctgacg ctgttcacgt cgtcgctgta cctggcgggc 360
ctggcgacgt cgttcgtggc ggcgtccgtg acgcgggtgt tcgggcgcaa gtgggccatg 420
ttctgcggcg gggtg 435

<210> 26448
<211> 449
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-037-Q1-K1-D8

<400> 26448
cgacgacaag aagtactcgc gcaagctgct gaacaaggcg aagctgctgt tcacgttcgc 60
caagagccac ctgggcagct acgacggcga gtgccccttc tactgtcctt actcgggcta 120
caacgacgag ctgctgtggg ccgcgacctg gctgtacctg gcgacgaggc ggcaggtgta 180
cgcggaacttc atcggccacg agggcatctc gtcgagcgtg gccgagttca gctgggacct 240
caagttcccc ggcgcgcagg tgctgctggc cgagttcaac atgacctcgg cgggcggcgc 300
gcagaacttc aagtcgcagg cggacaactt cgtgtgcgcg gtgctgccgg acacggcggt 360
ccaccaggtg ttcatcacc cgggcggcgt gatccacctn cgcgacggcg ccaactcgca 420
gtacgtgacc agcacggcgt tctgctgg 449

<210> 26449
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D9

<400> 26449
ggagtcctgc gcgctctccc agcagtccaa cctggtgctg tacggcagga tccagtgcaa 60
gggcaagtgc accgagcaga agggcatcac ggtccggcc atgaaggtct gccaggagga 120
gtgcgacaag gcgtacgtgg tgaatgctgt cgaggtcacc aaggcctgca gcgtcacctg 180

cgccaaggag aagaacccgc gcctcagcga gaactgcaag aggtcctgca cccctcctcc 240
 ttcttgaagc gaacccctt gaaatgaatg aaccatgcat gcatgcatgt atgcatgcgc 300
 cgggggtgacg tggcgttcag ctcaagcgct gagcgagtct atacgtacgt cgtcaccggc 360
 tggccacgca tgcgataacc atctgatatg gacggaacta tatattgtat ttctattaat 420
 cttgcatttt ctaagctaaa tgggtttttt 449

<210> 26450
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E1

<400> 26450

tcgcgttcgg ccacatggtg accccgcca ccgacacacc gtcgatcacg cccaccaaga 60
 agcaggacga caagccgaag ccgacgccg aggccgccac cgcggcgaac tacgcgtcgt 120
 tgtggtcgcc caagcgctc atgcagcgcg ctgcccgcgc ttccgcgcgc agcaggtcgc 180
 ggcgcccgcg tcaggacggt caaggacctc gccgaggaac gggcctcagt gctcgccgcc 240
 agcagcaagg tctctgatga ggcggcgcg gcggtaccg cggtgccgcc tgcaggtgcc 300
 aagaccttca gcagcaacga tgcccgcgac ggcgccatgg gcagcgtgca ggacgagccg 360
 cggcagcagc gccacgatga ctatcacccc gagatcgtcc ccgagaagat catacacg 418

<210> 26451
 <211> 442
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-E10

<400> 26451

ggcgcattgct gggaaacatt aggttaattg gagagttgta caaaaagagg atgttgacgg 60
 aaaggattat gcatgaatgc attaaaaaat tgtttgaaa tcatgatgat cctgatgagg 120
 agaacattga agcattatgc aaattgatga gtacaattgg tgatatgatt gatcatgtaa 180
 aggcaaagga gcacatggat gcctatttta gtatgatgca gatgatgtca acaaatcaga 240

agttgtcttc tcgtgtaagg tttatgttga gagattcaat cgacctcaag agaaataaat 300
 ggcagcaaaa gcgtaaagtc gaaagtccca agaagattga tgaggttcac agagatgcag 360
 cacatgaaag acatgcccac tcgagtaggt tgggacgtgg tcagctgtta agtctgttcc 420
 aagaagagca catnctatgg at 442

<210> 26452
 <211> 442
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-E11
 <400> 26452

cccacgcgtc cgcccacgcg tccgcgccgc gcaagctggc ggagctgttc gtgaacatcg 60
 cggccgagaa gggatccggg atggccacct tcgtgcaccg caagtacagc gacaaggagg 120
 acagcgacat attcaagtgc tacgacagct gctccgacga cgtggaggag gccgtcgccc 180
 acctcaacgg cctcgccggg gagcccaccg acgccaagtt cctcgagctc aagtcgtggc 240
 tctcctccac gtcggcgggc accttcacct gcgaggacgc ctgcaaggac ctgcccaga 300
 ccagcgacaa ggacgacgtc gtcaacttca gcctcgactt cgagaagctg cagcgcgtca 360
 cgctcgacct catcacgag gcgttcggca ccatgtccgc aggcattctg ctgccaccct 420
 tcaacgccgg agcgcccttc ta 442

<210> 26453
 <211> 392
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-E12
 <400> 26453

gaaccactca agcaagctga gctgaaagca gttagaaacg agataaaacc agatcctatg 60
 tccacgatga gggcacccca agttccttcc atgctacctt ttaacaatct tgcttttggc 120
 gcaacatttg gtgggtccagc tagtgtgaag cccatgacaa tgggtccaat gccaatggcc 180
 atgcctatgt caccagctcc tctcaciaag aagccaactc cagcagcagc aactcctctt 240
 tgtggtaaaa gtgataccga taacttgaag atggctaaac aggtgctgaa tgaagatata 300

tcaaagttgc aatctcaggt taataaactg aaacaaaaat gtgatgccca agaagagcaa 360
ctgcagaaag cggaaggag agctgaacat tc 392

<210> 26454
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E2

<400> 26454

cccacgcgtc cgccacgcg tccggatgca gccacaact tcgcccgtgg tcactacacc 60
attggcaagg agattgttga cctgtgcctt gatcgcatca ggaagcttgc cgacaactgc 120
actggtctac agggcttcct cgtcttcaac gctgttggtg gaggaacagg ctctggcctt 180
ggttccctcc tcctggagcg tctgtctgtt gactacggca tgaagtctaa gcttggtttc 240
actgtgtact catcccgcca agtttcgacc tcagtgggtg agccatacat cagtgtcctg 300
tccaccact ccctactcga gcacactgat gttgctatcc tgctggacat cgaggccatc 360
tatgacatct gccgactgtc ccttgacatt gatcgcccaa tcttcactaa ccttaacagg 420
cttgtgt 427

<210> 26455
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E3

<400> 26455

tcggccccac gtacatctgc tccagatcca ggcacggcac ggcacggcag ccgggccaac 60
ccaagccgt cttctcttct ctatcgccg tcccgcacta gccgcgacgt gacaagacaa 120
cgcgacgcgc gcgcatacgt cgtccaaggc acgcatgggc cagccaagcc aaccaatcgc 180
gttcgtccgg gtctgggtgt ggccggaatg ggccctcctg atcagctctg ggacgagacg 240
gtggccggcc cgcgaccgga ctacggcctc ggcaagctcc gcaagtactc ctacttctgc 300
accgcctacg tactctcctc gtcgtccatc ctggcccacg agccggctcc ggcgccggca 360
gtgacacgca gcatgaccat cgtccgtccg ccgtcgc 397

<210> 26456
 <211> 328
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-D11

 <400> 26456

 cccacgcgtc cgcccacgcg tccgctccct ctccgtcccc caagcaaaga aaagaagcta 60
 gcgtagctag gcgtagaacg aatgacgacg cagggcggca acaggtcgac gacgacgctg 120
 gtcgccgccc tggccgtagt tctggccgtg gcggcggcgt cgtccctggc cggcgtggcg 180
 tccgcggaga aggcggggcg gttcgtggtg acggggcgcg tgtactgcga cccctgccgc 240
 gccgggttcg agacgaacgt gtccaggagc gtggccggcg cgactgtgga ggtggtgtgc 300
 cggcacttcc gcgcgtccaa ggtgacgc 328

<210> 26457
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-B4

 <400> 26457

 cccacgcgtt cgcccacgcg tccgattgca agcaataata atggagacga cgactaagct 60
 ccggtggagc cggcccggct ccttctcct cgtcgccgcg gcgttctctg cgtccgccgc 120
 cgcgtcgggc gtcaacgtcg gccagttcga cgaccattg cagaagcgga aggagctcgc 180
 cgaggcgtcg gcgagggagg cgtacaggcc cgacccttac aacgtcacca acagcttcaa 240
 cgccgccgtc cacagagctg tcagcagcag tcggcgtgag atgctggaga ggccgtggaa 300
 gcacatgaag agggggccgt tccgggcgac taacctatc gacaagtgtt ggcgtgtcgc 360
 cagagactgg gcgacngacc ggcacgcct ggcccg 397

<210> 26458
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-B6

<400> 26458

cggacgcgtg ggcagagttt taaggtttcc cagcagagaa gagcgcgtgc aaccaccaca 60

ttgatataat taataagcaa ggttttagaga agaggcaaca tgggcacaaa gatgaagaag 120

gggatcctga agccgttccg ctatatctca accatcatgg atggtaagga ggctgaaatg 180

caaattgggt tcccgacgga tgtaaaacac gtggcacaca tcggttggga tggctcctggc 240

tccaccaaca acaatatcat caacagcatc atcaatagtg gcggagcacc tagctggatg 300

aaggattacc actcggcacc gcttgactcg tcctctttta ggagtgagag tgggggcacg 360

gctgctgcaa atccctgggc ttctcaagag atagtcatgg atggagcaag cgtcggagaa 420

acctcttcag ggacacgaat agcgaggcag g 451

<210> 26459

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B7

<400> 26459

gcgcgggtctc gtggtctcag ttgtaaggct tgacagctag caagagcgcg tgcattccacc 60

acatggatat aattaataag caaggtttag agaagaggca tcatgggcac taagatgaag 120

aaggggatcc tgaagccgtt ccgctatctc tcaaccatca tggatggtaa ggaggctgaa 180

atgcaaattg gggtcccgac tgatgtaaaa cacgtggcac tcatcagctg ggatggctct 240

ggctccacca acaacaataa catctacagc atcaactata gtggcggatc acctatctgg 300

atgaaggatt accactcggc accgcttgac tcgtcctctt ttaggagtga gagtgggggc 360

acggctgctg catattcctg ggcttctcaa gagatagtca tggatggagc aagcgt 416

<210> 26460

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B8

<400> 26460

cccacgcgtc cgcagagata ggcgtcttcg tactgccta cctccgcggc tcaaaccttt 60

cccccttctc ccaattcccg ccgccgctcc atcccgtaac ggcacacccat gagggagtgc 120
 atttcgatcc acatoggcca ggccggtatc caggtcggaa acgcgtgctg ggagctgtac 180
 tgccttgagc atggcattca ggctgacggc cagatgcccc gtgacaagac cattggggga 240
 ggtgatgatg ctttcaacac cttcttcagt gagactgggt ctgggaagca cgtgccccgt 300
 gctgtttttg ttgacctga acccactgtc atcgatgagg tgagaactgg cacctaccgc 360
 cagctcttcc accctgagca gctcatcagt gggaaggagg atgcagccaa caactttgcc 420
 cgtggtcact acaacattgg caaggaga 448

<210> 26461
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B9

<400> 26461

cccacgcgtc cgcaccctcg tctcaccctt cctccctcac acaaataata aggaaaggtc 60
 cggccctttt cctccgacat ccacaagggg ggaggggaaa acacgtacat tcaccggcg 120
 gcaataatgg cctcggttcc ggctccggcg acgacgaccg tctccgtcat cctatgccta 180
 tgcgtcgtcc tctcctgtgc cgcggctgac gacccgaacc ttcccgacta cgtcatccag 240
 ggccgcgtgt actgcgacac ctgccgcgcc gggttcgtga ccaacgtcac cgagtacatc 300
 gcgggcgcca aggtgaggct ggagtgcaag cacttcggca cctgcaagct cgagcgcgcc 360
 atcgactggg tcaccgacac gaccggcacc tacacgatcg agctcaagga ca 412

<210> 26462
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C1

<400> 26462

ccctcctcca cttttctcct tttcttgcca cggcaaaaca ctttcgccgg cgagagcatg 60
 gcgatggcgt accgtgtcct ggaggtcacc ctgggtgcgg caaatgacct caagaaagtg 120
 tcgctcttct cccggactcg catctacgcc gtgggttcca tctccggatt cgacctccgc 180

atcccttccc acagcaccca agcagaccac agcatcggtt gcaacccctg ctggaacgcc 240
 gtggtacact tccccatccc ggctgccgct gacacccgcg gcctcgact ccacgtgagg 300
 ctccgcgccc agcgtctata cctgggcat cgcgacatcg gcgaggtgtt tgtgcccac 360
 gacgaccttc tggcggcgcg cgacaagggt 390

<210> 26463
 <211> 476
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-C10
 <400> 26463

cccacgcgtc cgcacacgcg tccgcccacg cgtccgggac gccgcctccg tgctcaccgt 60
 ctccaagatc cactacgaga atatcaagat ggaggactca gccaacccca tcttcacga 120
 catgaagtac tgcaccaaca agttgtgtac cgccaacggc gcctccaagg tcaccgtcaa 180
 ggacgtcacc ttcaagaaca tctactggc ctcctccacc ccggaggcca ttagcctgct 240
 ctgcaactgcc aagggtccat gcaccggcgt caccatggat gacgtcaacg tcgagtatag 300
 cggcaccaac aacaagacca tggctatatg cacgaacgcc aagggcagca ccaaggggtg 360
 cctcaaggag ctggcatgct tctagaccct ncgtcgactg acccatctct ctagttataa 420
 tttttctctc gtcttgcgt ggcatattag ttgctatcca ttggtaacgc acaaca 476

<210> 26464
 <211> 67
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-C11
 <400> 26464

tcgtccacgc cttcggccac gcgttcgtgg acaccttggc caagatggcg ttcacaggc 60
 atatcgc 67

<210> 26465
 <211> 55
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-C12
 <400> 26465
 tctaaacttc attctgccaa ccgtatctat actcttgcaa atctacacct ttatt 55

<210> 26466
 <211> 199
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-C2
 <400> 26466
 ccctcctaca cttttctcct tttcttgcca ctgcataaca ctttctccgg cgagagcatg 60
 gcgatggcgt accgtgtcct gtaggtcacc ctggtatcgg ctaatgacct caagaaagtg 120
 acgtctttct cccggactcg catctacgcc ttggcttcca tgtacggatt cgacctccgc 180
 tttccttccc acagcaccc 199

<210> 26467
 <211> 390
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-C3
 <400> 26467
 cgacaagatg gcgtgcacag acaatgcgat gagagccttg ttctctctgg tctctttctg 60
 catcgtgcat ggtgagaagg aagagtcaaa gggcatcgat gcgaaagcgt ccgggcctgg 120
 tgggtccttc gacatcacca agttgggcgc cttcggcaat ggcaagacag acagcacgaa 180
 ggctgtgcag gaggcattggg catcggcgtg cggcggcact gggaagcaga caatcctcat 240
 acccaagggc gacttcttg tcggacaact caacttcaca ggcccttgca agggcgacgt 300
 gaccattcag gtggatggca atctgctggc gaccacggac ctaaaccagt acaaggaaca 360
 tggttaattgg atcgagattc tacgcgtgga 390

<210> 26468
 <211> 184
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C4

<400> 26468

tcgtgcgacg acgccttcca cagacaacgc gatctttcgc ctgtgtcctg ctgtccatct 60

ttttcatcgg gcatgtcgtc aacgaagtgt caaccggcat ccattcgaaa tcgtacggcc 120

ccgacgactc ctccgacatc accaaatcct gcacttccac ctacggcaag acagacaact 180

ccat 184

<210> 26469

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C6

<400> 26469

cccacgcgtc cgcaagatgg caaatgctct cctaggtggc ctgtgggcca tcgtcgtcgt 60

cgcggtggtc gtccggcgtg tgcgccacgt caccactcc ggcaagaagg ccggcgacga 120

cttcaccgtc ccgggggaag cctccattgc cacgtccggc aagtcggtcg agtccctgtg 180

cgcgcccacg ttgtacaagg agtcgtgtga gaagacgctc tcccaggcca ccaatggcac 240

cgagaacccc aaggaggtgt tccacagcgt tgccaatgtg gcgctggagt cggtgaaaac 300

agcggtcgag cagtccaaga cgatcggcga ggctaatacc agcgactcca tgaccgagag 360

cgcgcgggag gactgcaaga agctcctcga ggacgccgtt gacgacctca ggggcatgct 420

cgagat 426

<210> 26470

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C7

<400> 26470

gtacagtcac cacagaaaag gatcgaggat ctcatcgagg cgttttctaa caaatctgtg 60

gtcactgaag gtaacaattt aattgcaatt ccagaggatc ctgaattgtc tgccaaactt 120

gttcggaaga ctacagtga gaaaagacat ggttggtgga ggcaatttcg tttgcttttt 180
aagcgcagcat ggatgcaggc ttttcgtgat ggaccaacaa acaaagtgcg atcacgaatg 240
tctgttgctt cagcagttat atttggtatc gtgttttggc gaatgggaaa atctcaaaca 300
tccatacaag acaggatggg actacttcag gtggctgcca taaacacagc aatggctgca 360
ttgacaaaaga ctgtgggagt tttcccaaaa gaacggagta tagttgacag agaacgagca 420
aaaggttcct atgcacttgg accata 446

<210> 26471
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C8

<400> 26471

cccacgcgtc cggaataaca caggtgagcg cgacgatggg atccctcgct aataacatca 60
tggtcgtggg cgccgtcctt gggcgctcg tcgccggcgg gtcgtgcggg cccccgaagg 120
tgccaccggg cccaacatc accaccaact acaacggcaa gtggctcacc gctagggcca 180
cctggtacgg tcagcccaac ggtgccggcg ctcttgacaa cggcggtgcg tgccgggatca 240
agaacgtgaa cctgccacc tacagcggca tgactgcgtg cggcaacgct cccatcttca 300
aggacggcaa gggctgcggc tcattgctac aggtgagatg caaggaaaaa cctgagtgtc 360
cgggcaatcc agtcacggtg tacatcactg acatgaacta cgagcctatc gctccctacc 420
acttcgactt gagcggcaag 440

<210> 26472
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C9

<400> 26472

cggacgcgtg gggccaccat acatggctat atatatagcc ggcggcttac acaaatggag 60
aaggttctcc ttgattgaag atctaataa aataggaagg atactaatca gctagctact 120
ttctctccta gccaatctcc ttctatgtt gctgcatgca caatcaatca ggcggctgcc 180

ttctatgttt gctgcatgcg caatcaatca gatgactact ttccatccta gccactcacc 240
 tgctgcgcat gtgcctttgc tgectgctca gctcggcgca catcgcgggc tctcctacgc 300
 ctgacgtgtc aggagaatth gaactgctgc aaacactaaa agaactgctt ggtgatgcc 360
 gcactctggg agcacgtcaa agagctgcat aagatgcatt ttcgattatg tcagatggag 420
 ttgtgaaccg tgtatgggat ttagtctgc 449

<210> 26473
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D1

<400> 26473

cccacgcgtt cgcccacgcy tccgcctcgc caacgaaatc cgcaacgctg aagcgaagtt 60
 ggcgaaggca accgaaccat cgcctgagcc actggcgggc gcttctgcgc cagcgccgc 120
 gcccgctgcy cgtcctgttt taagctacgt cactcttggg tcgttcagct gggagcagga 180
 caacgagaag attaggatat atgtttccct tgagggagtt gagcaagaga aggtggagac 240
 tactttcaag ccaacatcag tggatataaa gtttcatgat gtcaaaggca agaattaccg 300
 gtgtgctata ccaaagctga acaaggaaat tgttcctgag aaatgtaagg ttgtggtgaa 360
 accaaccagg gttgttggtta ctcttttcaa gggttctaaa ggcaactggt tag 413

<210> 26474
 <211> 205
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D10

<400> 26474

aaaaaagtgt aagctataga gagagagaga ggggtggctga gagaagagaa cttatagcga 60
 atgctgtact tggctgaagt catgtatgca tctggagctc taacggaaat gtctttttgc 120
 caatggtttt atttcggttt gggatctaca catttgcttt gtaatgttaa ttacattagt 180
 acatacatgt ttccagttat gtggt 205

<210> 26475

<211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-B2

 <400> 26475

 attggtggct cctcgagcca ttcgatgatgt tgctaccatt ctcatagaca tttcagcaga 60
 agtgatcgat atcttatctt gccttcggat agagaagtgg atacagagac acatggattg 120
 agaacatgat actgaagccg atccggcata tgtcaaccat catggatggg caagtcgcgc 180
 aaaggcaaat cttgttgctt accgacgttt aacacgtggc acacatcggg aggaatgggc 240
 ctggctacac catcaacatt gacctcatca gcaactacaa tagttgcaga gcacctaact 300
 ggatcaagga ttaccac 317

<210> 26476
 <211> 334
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-H7

 <400> 26476

 cacaagtagg gttaggaagg ctgcgccag cggcgagagg aggaggggtg ggtcagcgat 60
 gactgggaag gcgaagccga ataagcacac tgccaatgag atcgccgtga tgatcgacgc 120
 ggcgactact aaccggggcg gcggcaaggc cgggctggct gaccggctgt ggcaggacaa 180
 gggcggtcat gcgaagctgg cgtgcccgt ctgtcggact cgggctcccg acatcgagt 240
 catgcagatc caccacgagg cgctccaccg caagctcccc ttcgagccgt agtagctcct 300
 ctacctgcac tctttctgcc gctctgctgc tggt 334

<210> 26477
 <211> 371
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-H8

 <400> 26477

 cccacgcgtc cgcagtctcg tgggacacac tgctcatagg ttaagagctc aaaagctacc 60

tgtctatttta tctacttcac tcaggtgaat ccctgctgtg ctgttatatt gtttcttctt 120
 tttaccgttg gctatcttct ttgctccaag aagatcatcg tcatgccaaa gtgcgttttt 180
 taacgtacat aataatgtgg tactttgctg atgctaaaat gtaagtgtgg agctcatttg 240
 gaacatacgt tctatggggg actcgacgaa gaacattgat tatacatggt tctggcacat 300
 tctcatgtta agaataagca cccgctatta tttttcgcat tcatgtaaaa aaattttaca 360
 taacatatata t 371

<210> 26478

<211> 416

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-037-Q1-K1-A10

<400> 26478

aattatattc tctctctctc tctttcatth ctatagccag caggtagcag gcaggcaacc 60
 ggccggtata ttagtagatc ttcgatcggt catccaagct aataagtcag taagcagcag 120
 taggtcgaaa atggcgatga ggtcgctagc gctactgggt ctcctcagcc tgctggttgt 180
 tgggtgtggcg cangcgggtg agttggagat ggagttgggt cctgctgatg caattgcat 240
 gactatggat catgaaccgc cgcaagaatg cgcgacccca gtgagcgtgg aggaggcgtg 300
 ccgcggcgcg tctgagacgc acgccggcgt ggccctacgac cactgcatgg cgctactggg 360
 cgccgacccg ggcagcaagg atgccggcaa caagaacatg cacgcgctgg cgggtgc 416

<210> 26479

<211> 381

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A11

<400> 26479

cccacgcgtc cgagcaaagg gaaaatgggt gtttccacaa acaacactct caggggtgctg 60
 ggcaccctaa tggttgtatg cgccgcagta tgcacagcga aaaggaccgt agcaaagaca 120
 ggagacttgg ctccagcccc tgctccatta ggagcttgag gcgctatttt attcccagaa 180
 ggtgcggcta gagccagcag gacgttcgac atatcgaagt tcggcgcgac cagcgacggc 240

aagacggact cgacacatgt ggtccaggac acgtggacgt caacgtgcgg agcgattgga 300
gacgcaacga tgctcattcc caatggcgac tacctggtgg gccctctcta cttcagaggc 360
ccgtgcatgg aggacattaa c 381

<210> 26480
<211> 473
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-037-Q1-K1-A12
<400> 26480

cgagctcctc ggggaatccgg tgccaggcct cgccttctcg cggcgggtgct ccctccctct 60
tggtcccca gcgacgcagg caggcgcgcg cgcggccatg aaggggggcg gtgccatgag 120
gccgtcgctt atgttctacg tccacgaggc ggacgtcgtc cagatccacc acttcctcga 180
ggagtgtctc ctctgcgcca aatcgctctc cggcgacatc ttcattgtaca ggggtgacac 240
gccgttctgc agcgaggagt gcaggagca gcagatcgag gtggacaggg cgaagcaccg 300
gcggaagaag cgcgcggcg cgacgcgct gtccgcacgc agcagggagc accggcacca 360
gcagcagctg cagcagcacc accaccagca gcagcaaccg cagccgcgga atgccggcat 420
ggacacccgn caccctgtggg tcgacgccgg gtccgccagg cccagggcgc ccg 473

<210> 26481
<211> 381
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-037-Q1-K1-A2
<400> 26481

ttcccggctg accacgcgtt cgggacgcgt gggctcgcca gccatgggca agatcaagat 60
cggaatcaac ggcttcggaa gcatcggcag gctcgtggcc agtgtcgccc tgcagagcga 120
ggatgtcgag ctgctcgccg tcaacaaccc cttcatcacc acggattaca tgacctacat 180
gttcaagtac tacaccgtgc acggccaatg gaagcacagc gacatcacc tcaaggactc 240
caagacgctg atattctgcg agaagccggt caccgtattt ggcattcagga accccgagga 300

gatcccggtg tgcgaggctg ctgctgagta tgtcgtggag tccaccggtg tcttctactga 360
caaggacacg gctgctgcac a 381

<210> 26482
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A3

<400> 26482

gtcgctact gttgcttgtg gttgtggcca gtccttcccc tctcatcccg ggccccgggg 60
aaaattttgc cccctgaaac cctatcgctg cggtatcaca gcaagggcaa aattttctgc 120
gactccggct gaaggacgct gcggcaccta tgtcggacga cactggccgc actataccca 180
agttcggcga atgggacgtg aacaaccccg cctctgccga cgggttcacg gtgatcttca 240
gcaaggccag ggatgagaag aaagcccccg cccaaggcca catcaggac aggtcggcgt 300
cggtcgacag ctaggactcc aggtccaggg atgagaagat gacctcctac agtccagga 360
ccaacgcac gaagaaatgg ttctgctgtg tctcgcccag tcccacacag tcttgaggga 420
gctaatagac cgtgcagtgc tgcattttct 450

<210> 26483
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A4

<400> 26483

gtcgctgct gttgttttgc gttgtggcca gtccttcccc tttaatcccg ggccccgggg 60
aaaattttgc cccctgaaac cctagcgctg cggtatcacag gcaagggcaa aattttctgc 120
gactccggct gaaggacgct gcggcaccta tgtcggacga cactggccgc actataccca 180
agttcggcga atgggacgtg aacaaccccg cctctgccga cgggttcacg gtgatcttca 240
gcaaggccag ggatgagaag aaagcccccg cccaaggcca catcaggac atgtcggcgt 300
cggtcgacag caaggactcc aggtccaggg atgagaagat gacctcctac agtccagga 360
ccaacgcac gaagaaatgg ttctgctgtg tctcgcccag tcccacacag tc 412

<210> 26484
 <211> 417
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A5

<400> 26484

```

cccacgcgtc cgcccacgcg tccgctttca cctccagcct cataagcctg cggttagggg    60
ggcataaacc caaccggaga ggacggccga cggctacgag ctacgtagcc gtggtccggc   120
gagtcgggga ttccagatgc ttcaaaatca tcaaaaagga aagctgcaag ggggatgcca   180
actccacagt acacatactg tgttgccaga acatctttcc gagcacatgc actgggaata   240
accgctgctt gggtagtgca atccataatt gaagtataca gatgtttcat ccgtaagcct   300
agtgaggact gtgaagcact atcaagcgac ggcaatgaac agtttgacga tatgaataaa   360
ttcagattgt tcgggaggaa gatttatggg attaccatca aaagttgttt ctctttg     417
  
```

<210> 26485
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A6

<400> 26485

```

ggtaatcgga tcgagattct acgcgtggat aacctgggtca tcaccggcaa gggaaacctt    60
gacgggcagg gccagctgt gtggagcaag aactcctgca ccaagaagta cgactgcaag   120
atccttccca actcgctggt gatggacttc gtgaacaacg gggaggtgtc cggggtcacg   180
ctgctcaact ccaagttctt gcacatgaac atgtaccggt gcaaggacat gctgatcaag   240
gacgtgaccg tgacggcgcc cggggacagc cccaacacgg atggcatcca catgggcgac   300
tcacccggga tcaccatcac caacaccgtc attggcgtca gcgacgactg catctccatc   360
ggacccggga cctccaaggt gaacatcacc ggcgtgacct gcggtcctgg ccacggcatc   420
agcatcgga gcctatggcg gtacaagg                                     448
  
```

<210> 26486
 <211> 395
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A7

<400> 26486

cccacgcgtc cggtttccgg tggaggatcc ggtggcgtcg atgctggtgt ctccggaggc 60

gccaaagttag acggcaacat tggaggaaaa gcgggaggga gtggaaatgc atatactgga 120

gctgatgcag gtacaagtgt ttcaggtgga ggatccggtg gcgccagtgc aggtaccagt 180

gctaccgtgg gtgctggtgt ctccggaagt gccaaagttag gtggtggcgt aggaggaaat 240

gcaggaggaa gtggcaacgt ctatactgga accggtgccg atgcaggcgt ttttgggtgga 300

agatccggtg gcgccaatgc tggatatgga gctaccatag gtgctggtgt ctgcggacgc 360

gtaaaatttg gtggcggcgc cagaagaagt gtaag 395

<210> 26487

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A8

<400> 26487

atttcccggt ccgaccaacc ctcccgcgga ttcttaatat ttccttagcc ttatcttatt 60

taatttaagg atttgctca agtccgtgtg tgatcattcc atgaaatata tgatatgggt 120

ttccatttgt ttgaaaaaaaa ataaaaataa tacaaaaaca aaaaaataaa aataaaaaaa 180

caaaaaaaaa aaaaaaaaaat acaaaaaata acaaaaaaaaa ataaaaata aaaagggggg 240

ccccttttta aggtccaaag tttctaacc ctcattaaa agttaaacc ttttcttttag 300

cggccccaaa ttcaattaat tggtcggcgt tttaaaacca ccggacttgg aaaaaccggy 360

ggttccccaa attaataagt ctggagaaaa atccccctt 399

<210> 26488

<211> 294

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-037-Q1-K1-A9

<400> 26488

cccacgcgtc cggaacgaca gctgcatgga gttcctcagg gccatgaaga tcgtggaggt 60
 gcccactttc gtcttcatca gggacggcca gatcgtcggc cgctacgtcg gctccggcaa 120
 gggggagctc gtcggtgaga tcctccgata caacggcgtc agggtcacct actgaagtga 180
 agtagtgaac aacaaaccag tcagagtcag agcaagcgca agccgacaag caacgcttcg 240
 atacaaaatt gaagacgata canaatTTTA gattactgcg acatccatcg acga 294

<210> 26489

<211> 254

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B10

<400> 26489

attctgcaaa tactgctaga cttgcgtatc gttggatatg tcctatcagg aggtaaatgt 60
 tgtttcacca tcagtcctta aatgcagact taacatgatt tattgccaag cgccactacc 120
 aataccttgc tttaggttta aacacgtcac agttacaggc agcctcagat accatagagt 180
 ctataaacia gttattcaac accctctcac atatatcgga tcatatttag tttacaacgg 240
 acaaaccttt ttg 254

<210> 26490

<211> 331

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B12

<400> 26490

tctacgcgta cgactagatc tagatccaga tctagacctc tatctcacat ctcagggtcc 60
 atttcgaatg tctaacattt ttcattacgt ccacgtctac aatgctaaac ctcaccatca 120
 ataccacact caactcaaac gacagcgctt taaacacacc ggagcatatc gaccatacat 180
 ttctcacctg tactacaact ggcccacctg cacctgtcat caattgtcac agacgtggca 240
 ccacttgtcc ccaagcttta aggacacgac ttttatctcc ccacatgcat tcacgaacac 300
 tttacgaaca tgttccttag ctttaccac a 331

<210> 26491
 <211> 362
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-H6

 <400> 26491

 gcgcgatgact cgtgctgcgc atgagcatcg ggatggccaa ctcaactagc taggacggac 60
 gacagggaag cgacttgaag tgtctgatca aaactcttct agatttggag aagaacctct 120
 agatgagaaa ggaggtatag gtgaacgaaa cttcacgtct cttgcatgac gcgtgcagtg 180
 catgagatcg ggatgggtcaa ctcatctagc tgtgactgac gacactgaga agacaacaga 240
 tagcgtcaac actcattata tggataatag tgtatggata gatatataga tactcgtcac 300
 accgaatgct cacttgcgca tgatctgctc ctgaattcca tcgttcctga accagtagat 360
 ca 362

<210> 26492
 <211> 387
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-F4

 <400> 26492

 tggacgcgtg ggcaaaccga cgatggcgtc gaataagacg gtcctcatcg ccgcggcgag 60
 gcttctcatc acgctcgtgc tggaggccgc ccctgcccgc accgtcatgg actgcaaggc 120
 cggctgtgac gaggtcacgg gccactcca catgagcatg gaggactgca tgaagaggcg 180
 caaggagatc gctgctaagc aagggcctac ggacccttac aaggatcaca aacttgacat 240
 cccatgaact aatcaatgct actatatcat ctgcctatcc atgcatgcat tgcattgcgt 300
 atgcacactg tgcgtgctg cccacaaagc tcgacaacac agcgatctac acggatttga 360
 catcgagtac actcgatcga gagatcg 387

<210> 26493
 <211> 273
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-F5

<400> 26493

ttggctaccc tcgtcgtcgt ctcactcacc ccggcttctc gcatcgctga ccaaatatag 60

gggccggcct tttccgacat tcacagggg gacacgaaat cagcggccat ggtctctatt 120

ccggcgacga ccttgagcgt catcttatac gtcctcttgt gtgcctcggc tggcaccggc 180

cttgacaacg acgctatgcg actacgtcat ccagggccgc gtatactgcg acacctgccg 240

cgccgagggt cgtgaccaat gtcaccgagt aca 273

<210> 26494

<211> 280

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F6

<400> 26494

gcaagccgtg ctccgaggcg aggcgttcgc acacctcgcc gcgcgtcctt ggccctcgcg 60

cgctccacca ctgttcggtt gcgcccgccta acgatcacgc gttttcgggtg ggagagagag 120

taagtagtta gaggtcggga caggatgctc gggttcaggc atatgtcatc ttcttccgct 180

gaggctcacg ctctatcgga tcagctgtgc gaaggggtgg cggccttctt ggccgctcga 240

taggcgatgg agacgccgct gactgcagct gatgcaacgt 280

<210> 26495

<211> 110

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F7

<400> 26495

gcgtacggaa cgttctgtgt ggccctgtatt aacacggatt gtactcctca ccatatcggc 60

tcgggggggct acatgtctat agccttacgc gctagggggac gtcagaggcc 110

<210> 26496

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-G1

<400> 26496

aatgggtgga tgcacgcatg cgtacgggac gcccggtgcag gccgtgggtcg agcccgacct 60

aaaggtgacc atgtacgcgc caccgggtcac gacgcacggc tactccatga accagcgggt 120

gctgggtgctg tccgtcaccg cgttcgcggc caacgggcag aggtacacga taacgggtcga 180

cgctccggga aagcctgagc tcgcgcggcc gggatactat ctgttgtacg tcatagcgaa 240

aggcgtgccg agcaaggccg cgtgggtgaa ggtacacaca tgagaacgaa ggcgggtcgg 300

agacgaatgc cagtcgcgtt tggcacgaca atacacatgt gtccaccgga gtagctgga 359

<210> 26497

<211> 374

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-036-Q1-K1-G2

<400> 26497

tccacgcgtt cgtccacgcg ttgcacaaag gcgaggccga gtcgagtagc gcgaccacaa 60

ggacacacac cgcgtcgagt ctacacggc agggcacgcg tcaaggcgat ccgttccatg 120

ccgccgccgc cgctgccgga ggagaagccg cttgcgcggc gaaagccaga gccgaagccg 180

cctaagccca agcccaaggg gcctaggccg attgggccgt tgcctcagcg ggacggggac 240

ccggcgggcg gcgtcgccac gtcccctccg ctctgttct gcggcgacgg ctgctccggc 300

ccgtgcgcct acttgcccca gtgccagacg cctactncgt cgtaccctgg tgccaccgtg 360

cgctccgat cgag 374

<210> 26498

<211> 337

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-G3

<400> 26498

cccacgcgtt cgctgtgaag ttgacattga acagatggaa ctccttctgt gccaaactgag 60

cggtacggac attaccgagc tcattgccgt cggcagggag aagtttgctt cagtcccatg 120

tggcggcggc ggtgtggctg tcgcggcagc tgtccctgct gctggcagcg ctctgcagc 180
 tgaggccaat aaagaagaga acgtggacga gaacgaagaa agcgatgacg acatgggctt 240
 cagcctcttc gactaagctt gtgcaatagt caagaatatt gttcttgagt cgctgaagca 300
 gaggggatta aaatcttaat catgtttgga cttaac 337

<210> 26499
 <211> 363
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G4
 <400> 26499

cggacgcgtg ggcgggtggcg ttgacactgg accgatggaa ctcgatcatgt ccgaactgag 60
 cggcacggac attaccgagc tcattgccgt cggcagggag aagttggatt cagtcccatg 120
 tggcggtcgg cggtgtggct gtagaagcag ctggccctgc tgctggcagc gtcctgcag 180
 ctgaggcgaa gaaagaagag aacgtggacg agaaggacga aagcgatgac gacatgggct 240
 tcagcctgtt ggactaagct tgtgcaatag tcaagaatat tgctttagag tcgctgaagc 300
 agaggggatt aatatcttaa tcatgtttgg actttaactt tgtactatgt tggaaagttc 360
 ttg 363

<210> 26500
 <211> 335
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G5
 <400> 26500

cgacgcccgt gcaggccgtg gccgagcccg acctaaaggt gaccatgtac gcgccaccgt 60
 tcacgacgca cggctactcc atgaaccagc ggctgctggg gctgtccgtc accgcgttcg 120
 cggccaacgg gcataggtac acgataacgg tcgacgctcc gggaaagcct gagctcgcg 180
 cgccgggata ctatctgttg tacgtcatag cgaaaggcgt gccgagcaag gccgcgtggg 240
 tgaaggata caaatgagaa cgaaggcggc tcggagacga atgccagtcg cgtttggcac 300
 gacaatacac atgtgtccac cggagtagct ggacc 335

<210> 26501
 <211> 327
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G6

 <400> 26501

 caggatcgat ggcagatacg gagcatcgaa cagtatttgt caccgtgtgg actacatgct 60
 tcgatgctct tgtcatggcg gtagattctc cataagtga gaaggctgta ttgcataaag 120
 gttatagtaa tcttcttatt cagatgggcc gatgaacata tgtaccattg aaggtctcac 180
 gatatgcata ccattaagat gatcatttca cattatcacc aagcatcgat gacaatatga 240
 gaacagctta catagttatc agtcatgcat gttcaggatg catatttgaa acacttgtag 300
 tctgcaaacc actaatcgct gttgtaa 327

<210> 26502
 <211> 259
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G7

 <400> 26502

 tcgcccactc gtccgatcaa cttgacaact tattactagc acaaactgaa gctacagtct 60
 atacacacat gcaaattaga ttgatcgagg gagatcgaga gagagctctt aactaatttg 120
 agggcgatcg atagttaagc tatggcagca agtggcgatc gatgtggaga tgcattggtc 180
 atgtaattat attattgctg tgcttgtgat atacacatgc atggatcatt aaaaaaata 240
 tgacaagcga tcacctacg 259

<210> 26503
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G8

 <400> 26503

 atcacaagta aaggatatgtt tctaagcctt agtacattgg ttttgtgtac taacatgttg 60

tctaagtgtt agaaacagga gaaagaagaa aagaaaagaa gtggagagtg gctgtgtaca 120
gccaaaggct gcttcgggct ggggcaccgg actgtccggt gtgcaccgga cagtgtccgg 180
tgcgccagac cagcgcggag caaaccagcc gctatcgggt ttttctccgg cgacttcggc 240
taaaattcac cggactgtcc ggtgtgcacc ggactgtacg gtgagccaac ggtcagccga 300
gccaacggtc 310

<210> 26504
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H1

<400> 26504

gcgagctggc ggacggaacg acgacgatgg cgaggagcgg cggcgggatg gaaggcaaca 60
agtgggcgcg catcttcaag cacctctcac gaaggacgga caacgagatc aagaactact 120
ggaacacgcg cttgaagcgc cggcagcgcg cgggcctgcc gccctaccgg acggacgtcg 180
agcggcagat caagctgctg cgcgcgcaga acgtcaaccc gttcgcagac gcagacgccg 240
acgccggcca cgccaacgcc agcggccggc ttccggggcc gccgctcctg tacgacgtct 300
gaaaccggtt cgcgttgctc tacagcatac cgtcactgtc gcagacgggc ttgcactcgc 360
actcggcact gatcaatcag aactaccc 388

<210> 26505
<211> 323
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H2

<400> 26505

ccatgacgcg tgcagtgcac gagatcggca tggccaactc aactagctag gacggacgac 60
acggaagcga cgtgaagttt ctgatcaaaa ctctccgaga tttggagaag aaccgcgaga 120
tgagaaaggg gggagagggg aaggaaactt cacgtcgctt ccatgacgcg tgcagtgcac 180
gagatcggca tggccaactc aactagctag gacggacgac acggagaaga aaacagatcg 240
cgccaacacg cataagatgg aaaaaagtgt atggatagat agatagatac tcgtcacacc 300

gcattgcgcac ttgcgcagca tct

323

<210> 26506

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H3

<400> 26506

gggtaaaaga aagcgaagaa gtccgtggag tcctacaaga tctacatctt caaggtgctg 60

aagcaggtgc accccgacat ctgcatctcg ttcaaggcca tgtccatcat gaactccttc 120

atcaacgaca ttttcgagaa gctcgcggcc gagtccgcca agctggcgcg ctataacaag 180

aagcccaccg tcacctaccg cgagatccag acctcggtgc gcctcgtact acccggtgag 240

cttgccaagc acgccgtctc cgagggcacc aaggccgtca ccaagtacac ttcttcttag 300

gctcatagta ctaggctggg tgggtgttgg agacgtggct caattgaatc tgtagagtgt 360

gtgatggatg atatgatctg cgtctattga gcagttaaga ctgatgaaca tttgtccacg 420

t 421

<210> 26507

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H4

<400> 26507

cggacgcgtg ggctagcact tattggcaat ccttcgaaag tccacagctg gtttcctggg 60

tactcgtgga cgattgcagc atgcatggcc tgcgagtcac acataggctg gctattcaga 120

gccaccaaga agaattctgcg gcctaggtct ttctggggga tccgcagctc acaaactcga 180

gacgacacac aagtagatca gggtgactga tgctccaaac ttccatgcgt ataaggccat 240

agtagcagtg gactactaag ccatgtatga cctgggtgtt ccaatcctcc agtcgtctct 300

ggttcatacg cactgcctgc ctttcgtgtg ttggcatagt aaggacggtg gaagtccctg 360

taaaacaatc actctttttc tactggtgta gtagtgctct gcactgaacg gatttactga 420

atctctcttt tttggtctaa atagatatct ggttcatagt 460

<210> 26508
<211> 359
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H5

<400> 26508

cccacgcgtc cgccactcg tccgccact cgttcgcgga cgcgtgggta aatgtgtctc 60
tgaggcctgt acagggagca ttctcaaata tctgtacctt caatggctac tgttttaagg 120
ttagcatggt tggatgcgct tgggtgcact gcaggtgtcc tacgactaat ctctactggc 180
ggtgagcatt atgatcctgg aatgataata gtcttcgccc caagggcacc tgtaccctca 240
cgtgtgatcg tgggaattag gctctgatgg atgcaatggt ggaacgtgta ctaacacaca 300
tagtgcgttt cagaactcga tttaaatggt agcctcagat gctaattgata acataaagt 359

<210> 26509
<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F3

<400> 26509

catcgttggt catggcgcag acaatgtatg aagttccttc gccttccttc gtttgctcgc 60
aaatggaaga agcaagtgtt ggcatcgccc tcttcaggt tctctggagg acatgggtgc 120
tggagtgact tggcgcgtcca tcttgccacc gggttggact gtcgagtggg accctgcctc 180
ggctaacgag gagcatgagg agtgatggga caggcttccc catctctctg tttaattact 240
gttagtttta ttccgctgca ctctgaacaa tgatgattac ttttgcaaaa actccgatga 300
tgatgtaata acttaatact ccttaatgta tggttttatg ctgtattgta tttgctctgt 360
gactcacctt cgagtgaatg tgtggt 386

<210> 26510
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-C8

<400> 26510

tcgagcgtgc ccctgcgggg ggctgctcgt ggatctgac tcgtcaattg tcgtgctatg 60

tttttctcca gcggcacgaa gtgaagaaca cgtttttgtg acgccatggc tgtggaaaga 120

gatataattg gaatttctgg gccaacgtat ctgaaatcaa tcgattggaa ctgtgagcat 180

aatcgagat ctgtggctgc aagcttagtt catgctgtat atgtgttga gagagaccgg 240

caactgaatc atcaatcttt tgaagccttg gcacctgctt ggtgggaatt cctccatttt 300

gagctgattc gcaagctgat tgatgatgct gatatgtcca tatttgggtgc aatatttgaa 360

ttcaaccctt caaggaggaa gcttctggtg catatgctcc aagatttgt 409

<210> 26511

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D1

<400> 26511

cccacgcgtc cgcacgtcg tcgtcaacga atccgcacaa ggaaaagatg gagaagaagc 60

cgaccatcct catgaacagg tacgagctcg ggccgacgct cgggcagggc accttcgcca 120

aggtgtacca cggccggaac ctgcggttcg gcgagagcgt ggccatcaag gtcttcgaca 180

aggagaaggt gatgcgcgtc ggcatgatcg accagatcaa gcgcgagatc tccgtcatgc 240

gcctcgctcg acatctcaac gtcgtgcac tgcacgaggt gatggccagc aagagcaaga 300

tatacttcgc catggagtac gtccggtgcg gcgagctctt cgcccgcgtc gcccggtggtc 360

ggctcaagga gacgccgga gaag 384

<210> 26512

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D2

<400> 26512

cggacgcgtg ggccgcgctt tgggttgggg ttttaagcgc tgtaagggag gccggaggcg 60

acgacgacgg cgccggcgct ggagaagaag aagcagacaa ctctcgtata tgtcttcttg 120

ccccctttcc gatctggtgg tcgtagcgct catcatcgcc gtcgtcgccg tcatectccg 180
cgccctcgct tgctctggcc gatctatgcg caaggggctc aacggctgga acaaatectc 240
gtcgatgctc agggacgggt tcgggggtgaa gtattccgga ttctccaca taaggccgtg 300
cggcttctgt agaggagatt gacggattcg gccgatttgc gtcgtctcc gtcatttttt 360
ttttttgcac ccagagtttc tggtttttct ttagaagttt tccccccata gttttgg 417

<210> 26513
<211> 365
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D4

<400> 26513

ccgactcgtc cgcggacgcg tgggggttct tggacctatc agatcttcta gagttgcatc 60
tattctgtgc ataccgatcc tttatgtcta ccgtacatg acgtacctgt cggaacctgg 120
atcgtgaatc gttatgaata ttgcgtcagt gataaagaat aatctcggtg tcaccatcat 180
tacaggcact ttcatecttc aaaacaatgc cgtgcctcac gaccagcgat gctctgcgaa 240
tggactgtcc atgactggta tgtgcttttt caaggcactt gctccagctt gagcaagcat 300
cgtgtttctca tggggcgata aacgccagca tgcgttggtc ttaccaggtg accagatggg 360
attct 365

<210> 26514
<211> 337
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-036-Q1-K1-D6

<400> 26514

ggagaacggc tccgtcgccg ccggcggagc cggcaacggg gcggtcgccg cgtctaacgg 60
aggaggtgtt gagaggaggc tgaggctctc ggctgcgcc gcgtcgtgcg cagcccagct 120
tgccctgcag gtgggcacac gcgtgatgtg ccggtggcgc gaccagaagc tccaccctgt 180
caaggtcacg gatcgccgca agggctccga ttcttatatc cccgctgact acgagtacta 240
cgtccattac accgagttca atcgaacact tgacgagtgt gttaagcttg agcagctnga 300

tctcgctact gatgagaccg atgctgacga gaaagtc

337

<210> 26515
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D7

<400> 26515

gtgtaaata tgcaccagct ttgaagaagg ctgatattgg tattgcagta gcagattcta 60
ctgacgcagc tcgtagtgct tctgacattg tctaactga acctggcctt agtgtgatta 120
ttagtgctgt gctgacgagt cgggcaattt tccaaaggat gaagaattac acgatctatg 180
ctgtatcgat taccatccgt attgtgcttg gttttatgct tcttgcgctg atatggaagt 240
ttgacttccc accatthtatg gtcctggatc attgccatcc tcaatgacgg taccattatg 300
actatctcga aggacagagt aaaaccatct ccacaaccag acagttggaa gttagctgag 360
atthtttgcaa ctggggagt 378

<210> 26516
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D8

<400> 26516

cggggagcgc ggccgacctg gcctccgggg gcaggaggtc gtccggcggtg ccggtgttcg 60
tcatgatgcc gctggacacc gtcaaggagt gcggcaccgc gctgcaccgt cgcaaggcgg 120
tgcaggccag cctctccgcg ctcaagagcg cgggcgtcga gggcgatcat gtggacgtgt 180
gggtggggcat cgcgagcgc gacggcccgg gccggtacaa ctccgcgggc tacgcggagc 240
tcatggagat ggcgcgcaag gccggggtca aggtccaggc cgatcatgtc ttccaccagt 300
gcggcggaac cgtcggcgac tccgtcagca tcccgcttgc cgcgtggggc gccgaggaga 360
tgagagggga ccaggacctc tgctacaccg accagt 396

<210> 26517
<211> 454

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-E1

 <400> 26517

 gaaaccctcg cctccctctt cctttccggc cgtcgctgc cgccggaagg agaaaaaatg 60
 ggtgccggtg gggaggaagg gccgcggata atcgtgccta tggcggtgga gggtagcccg 120
 aatcagctgg cgtttgtaga ggagtcgaag ctgcagaagc gcaaggagaa cgtggactgg 180
 gccgtgagga accgggagcg catggcggcc aagcgccagc gcattcgca cgagcacaag 240
 gtcgtcgtca ggcggcccga ggagttcgtc accgcgttcc gcaacaagga gcgcgacttc 300
 ctgcggatga ggagccgcat caaggteccg agccagccgt ccgtcgaggc gtcgggtcc 360
 aggctcgtct tcgcgattcg cgtccctggg tttccgaact taaagagtgt gaaagagctt 420
 atctacatga aaggccgcgg gttctttgac atgg 454

<210> 26518
 <211> 241
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-E2

 <400> 26518

 ggcgctccctg tggccaacg tacgctgtac atggcgcaac acgtaagctt gaacgcgaca 60
 ttctatggct tgatcataaa gggcgaatgc atagggcgga acgataactca agagctagac 120
 gacgggcatc taatgcacga tccaggagtg tcgtcgatca acacgatcta tacgaactgg 180
 aatgattgca tgcatatgag gattatgacg aacgacgttc agtgcctgtc taaagagata 240
 c 241

<210> 26519
 <211> 288
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-E4

 <400> 26519

 cccacgcgtc cgcccacgcg ttcgcagaaa gtcaggaata tagtcatgaa aaggggtcat 60

atggcagctc cactcctcct gatttcttac ttcccaaaga agaaagaagt aaacaccatg 120
gtaatcaaac attccaaaac ttcacaactc atgggaagga tgatgatttt gcagcactag 180
agcagctcat tgaagatttg acaaaagaga aagtttcttt gcaacaaaag tctcagaaat 240
ctcaagaact agcccgaaac ttggcgacag ataactctgc attaactg 288

<210> 26520
<211> 468
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-036-Q1-K1-E5

<400> 26520

cccacgcgtc cgcccacgcg ttcgcagaaa gtcaggaata tagtcatgaa aaggggtcat 60
atggcagctc cactcctcct gatttcttac ttcccaaaga agaaagaagt aaacaccatg 120
gtaatcaaac attccaaaac ttcacaactc atgggaagga tgatgatttt gcagcactag 180
agcagctcat tgaagatttg acaaaagaga agtttcttt gcaacaaagt cttcagaaat 240
ctcaagaact agccgaaact ttggcgacag ataactctgc attaactgat aagttcaacc 300
aacaggcaca tgtaatcagc cagttgacat ctgacatgga gagattgcag gaagagattc 360
aagctcaact gttatcaaac atccaggag ttcttggatc aatatctcgt acatgcaact 420
ggtngctatg aggctatana acaatngtca ctagctggcg ctggagtc 468

<210> 26521
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-E6

<400> 26521

cccacgcgtc cgctcctctg gtccgcatag aggagcagcc tgccagccaa ggacaccgga 60
gcacgggcac gggcgcacgg ccagcgcgaa cctcctcccc tccccctccc tcttcttccg 120
tttccaacag cgaggcatgg tggagaaggc gaggagcatg gcgcgcaaac tagagatccc 180
ccagtggaag cagcagggcc ttccgtcgcc gacgagcccg ctggaccgcg cgtcgccccg 240

tgggtggcgc caccgcgacg ccgtctgagg cgtcgggctc gggatcctgg cggcgctgga 300
 agccgaggggt ccgctgcccc gcgccgtcgc cggcgccgcg ccgcgggtgt ccataccgcg 360
 gcgcgcggcg cggctggagg tatcggagct cgcgtgcagc gggc 404

<210> 26522
 <211> 347
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-036-Q1-K1-E7
 <400> 26522

ggtgaagcaa gcagcacacg agacgatata gagggaggga tcatggctct ctcccgctgcc 60
 gccgcgtcag gagggttcgc gctgatacct ctcgcgtgct gcagcctcat catgctggcg 120
 gcggcgctctg gcggcggcgg cgtggacgac gacggcgctcg gtggtgacag gctgatgatg 180
 gaccggttcc tcagctggca tgcgacgtac aaccggctcg acccgacggc cgatgagagg 240
 cagcggcggt tccaggtgta ccgccgcaac attgagcaca tcgaggccac caaccgggcg 300
 ggcaacctga cgtacacgct cggcgagaac cagttcgccg acctcac 347

<210> 26523
 <211> 398
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-036-Q1-K1-F1
 <400> 26523

cccacgcgtc cgcggacgcg tgggatttgc tcttgatcca tctatcactc gtttccgcct 60
 ttcggagcct ctccgccagc ctattctcac agcagagcca tctatctata caagggtgct 120
 taaccacaaa gataaatfta ttatTTTTGC atctgatggg cctttgggag cacttgacaa 180
 atcaacaggc cgttgaaatt gtccacagca atccacgatc aggaattgca aagaggctgg 240
 taagggcagc gttgaaacaa gctgcacgga agagggaaat gaggtatgat gacctcagga 300
 aagttgagaa gggaattcgc cgcttcttcc acgatgacat tacagtagtt gctgtttaca 360
 tagatcacgg attactgcna gagagggata ctcccgctg 398

<210> 26524
 <211> 307
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-F2

 <400> 26524

 attgaaacga aggcccgga cgcgaggagc gagggaacta ccaccggtga ccggtctcgg 60
 cgctgacgacg acgatagcct gtccgacctc gagcgcggtc cggttcctcc ctgcgtcagg 120
 acgcgagccc ttggagcttc gagtcagatc ccggcgggag cccatggcgg ctctggtgcc 180
 gttgagccgc gcgatgtacg gttttcgccg gccgcatagt acgagcgatg gggcgccgga 240
 agatgtccgc ggcggcaccg ccgtctcgga gctggtccaa cggtggcgga agcgatcatc 300
 cggaact 307

<210> 26525
 <211> 426
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-C7

 <400> 26525

 cccacgcgtg cgagcgcacc atccagtttg tggactggtg cccaactggc ttaagtgcg 60
 ggattaactt ccagtcctca agtgaggtgg ctggttgtct cctggataaa gtttatgccc 120
 ttaaagcatg atcttccaac ttcaccatcg ttgtggaggt gttgtgccgc atcgaccaca 180
 agttagacct catgtacgcc aagcgtgcgt ccgtgcactg gtatgtcggt cagggtatgg 240
 aagagggcga gttctctgag gcccgagagg atctggctgc tctctagaag gactacgagg 300
 aggctgctgc tgagtttgat gaaggtagag aatgttatga tggtagatgag tactagaagt 360
 attctgatgc ggatcatgctc aggcttgtgt gctgatcttg tcctcgttgt ggtttgcaac 420
 acctga 426

<210> 26526
 <211> 407
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-A1

<400> 26526

cggacacgga gctcctcgtc gccaacccgg tcgagctctg cgggaagggga cggccgcgcg 60

tgttctacga cgccaccctc gccctgaaag cgcttgggggt ctgcatcttc tcggctgaga 120

ttgggagaca ggcagcgctc gagcggcagt gggaggtgta caggttcctc ctggacgaca 180

gcagggagtt cccgttgacg aacagtctcg ctaacaggaa ccgtgtggtg gatagggtga 240

ggaaaacgct gatgggatgc tacaactagt agggctcctc tcctcggcgt cgacctgtct 300

gtctgtctga ccaagaataa tgcaaagctt gaaggcaact aacgactggt gtttctagac 360

tccgttgctg tcgtcgtgc ccacagctag ctgcctgctt cgtcgtc 407

<210> 26527

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A2

<400> 26527

ggtgtaccag tctccgaggt gctagcccg cagatcgacg cccttgccga cggccgctcg 60

tggtctacga cgccaccctc gccctgaaag cgcttgggggt ctgcatcttc tcggctgaga 120

ttgggagaca ggcagcgctc gagcggcagt gggaggtgta caggttcctc ctggacgaca 180

gcagggagtt cccgttgacg aacagtctcg ctaacaggaa ccgtgtggtg gatagggtga 240

ggaaaacgct gatgggatgc tacaactagt agggctcctc tcctcggcgt cgacctgtct 300

gtctgtctga ccaagaataa tgcaaagctt gaaggcaact aacgactggt gtttctagac 360

tccgttgctg tcgtcgc 377

<210> 26528

<211> 348

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A3

<400> 26528

gctgcacatc gcgtcctggt ggttgacact cggcgatcgg atcgcgacga gacgccgcgc 60

gggccgacct aggtgacgc caacgaccac tctcgccggc ggcggtcatg gcgtacggcg 120

accgcgttac caccttcgag gactcacaga aggagagcga gtacggctat gtccgcaagg 180
tctctggacc tgtggttgtt gctgatggaa tgggtggtgc tgccatgcat gaacttgtcc 240
gcgtcgggca tgataacctc atcggggaaa ttatccgcct tgagggcgat tcaactacaa 300
tccaagttaa tgaggaaaca ggtggactga tggatgaatga ccttggtt 348

<210> 26529
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A5

<400> 26529

gttcggatc gcgttgtctt cggtacacct ttctatccg atcgctacga gacccaccc 60
cgagcggacc tattctgacc ccaacgacca ctctctccgt cacaagtaat ggcatacggc 120
gaccgcatta ccacctacga agactgacac aacgatatcg agcaacgcta tccgcactat 180
gcctatggac ctctagtgtg agctgatcaa ctgggtgctg ctcccatgta tgaacttgat 240
cgtcaccaac atgatagctt catcgaacaa accatccgtc ttgagcacga ttcacataca 300
atccacgttc atcaggaaac acttcaactg a 331

<210> 26530
<211> 207
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A6

<400> 26530

tcccactcgt ccgcccacgc gtccgccctc atttactccc atgccatccc ggacgcgggg 60
ggggattctt cctccttaac ctgtatgcc tcggatcaca agcactggca aaagtttacg 120
ctactgctgc tgaaatactc tgccgcacct atgtctaact aactggccg tactataccc 180
aagttcttct aatgtgactt gaacaac 207

<210> 26531
<211> 203
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A7

<400> 26531

ctgactcgtg ggaaaaaaaa ataaataaac taataataac acgacaaaaa aaacctagac 60
aaggaaaaaa ccaaacgaat aaaacaaaga aactactgaa ccaagaaata caacgggacg 120
cagccttaca aaatccatgc tgacgtactc tttcatcaac cgtgatagtc tccggtagtc 180
acgctcctaa actcaaagtt ctt 203

<210> 26532

<211> 349

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-036-Q1-K1-A8

<400> 26532

cggcgcgtgg ggttgatggc agcttcacgc ccgaggcaga ttgaaagttg tgccttgag 60
cacccccgt ggtgttggtg tggcaatgga tcggagtcga atctcattga gaacgtacag 120
atggcttata cccactaat ctgtaattca gtcagcgcta tttttgtccc cacctccgat 180
tttcatcttg ctggatgtat gcttgacaga tgatgatacg gccctgttgt tgttggtgtt 240
gttgaaaaag atgtgttgag gggactgtag tgttcctctc cccctgttg tatggaagat 300
taccaatatg cagcgatttt ctcgcanaga ggaagctcaa tgcacatgc 349

<210> 26533

<211> 344

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B1

<400> 26533

ggtaattgga tcgagattct acgtgtggat aacctgggtca tcaccggcaa gggaaacctt 60
gacgggcagg gccagccgt gtggagcaag aactcctgca ccaagaagta cgactgcaag 120
atccttccca actcgctggg gatggacttc gtgaacaacg gggaggtgtc cggggtcacg 180
ctgctcaact ccaagttctt ccacatgaac atgtaccggt gcaaggacat gcttatcaaa 240

gacgttaccg tgacggcgcc cggggacagc cccaacacgg atggcatcca catgggcgac 300
 tcattccggga tcacgatcac caacaccgtc attggcgctcg gtga 344

<210> 26534
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B2

<400> 26534

ctcgcgtggg cccagcgggt cgggatcgcg gcggagatcg cgacggcgct gctgttcctg 60
 caccaaacga agccggagcc gctgggtcac cgggacctga agccggccaa catcctgctg 120
 gaccgcaact acgtgagcaa gatcagcgac gtcgggctgg cacgcctggt gccgccgctg 180
 gtggcggaca acgtgacgca gtaccggctg acggcgacgg cgggcacctt ctgctacatc 240
 gacccggagt accagcagac gggcaagctg ggcgtcaagt cggacatcta ctccctcggc 300
 gtgctcctgc tgcaggtggt caccgcgcgg taccatgg ggctcacgca tcacgtcgag 360
 aaggccatcg acgcgggcac ctttgagcag atgctcga 398

<210> 26535
 <211> 236
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B3

<400> 26535

tcgtcacgcy tgcgtacacg cgtccgcca cgcgtgcggc catcgctaac aatatttgga 60
 aatgactacg caacaaagga tgggacaggg gtctcgtgatt atattcatgt ggctgacctt 120
 gctgaaggac atcttttcgc attaaagaag ctatttgaaa gtcacatctaa cataggatgt 180
 gaagcataca accttggaac cggaaaatga acatcagtgt tggagatagc caatgc 236

<210> 26536
 <211> 301
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B4

<400> 26536

ccgaccggag cgacgccgag tcacgcgccg gccatgtccg ccgttgcgac tgctgcgagc 60

gtgaggacac gcccgaggta ctgacagaat ggcgcggtggc ctcagagtta caggcagtcg 120

atcgacgtgc tgagcgcgga tgccataccg acgatgaact ctatcatggc atcgagcccg 180

aaccatacca gattcggaag ctacttggtg catgactgta gctgattgtt actgaataaa 240

ggaaaggctct tggagctacc gttcatcagg tcattgctga cgggctagct gctgaagctg 300

a 301

<210> 26537

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B5

<400> 26537

cccactcgtc cgcccacgcg tccgattact tgaaagcact ctctggtgaa cggatgggtg 60

atggagtccc tgccctgttt gccaagcccc agacttatat gaatctcagt ggagaatctg 120

tcggcccact tgctgcctat tataaactgc cacttaatcg tgtcctagtg gctatcgatg 180

acatggacta gccatgtgca ggtctacgtc tacaggcaaa atgctgttc 229

<210> 26538

<211> 213

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B6

<400> 26538

cccacgcgtt cgagccagcc agccagccgg gtccctgccgc gtagctagcg tatgcgtacg 60

cgtagccgta gcagcgtgtg ctagagggga agaaatgctg gaggggaggt ctctgtgtga 120

ggacacggac atgccggctc ggatgcatga cgctgagacg tctgctgcct cgcgcgcgct 180

cgacctatctt gacgtcgtcg actgctgcgc cat 213

<210> 26539

<211> 410

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-036-Q1-K1-B8

<400> 26539

ggcaattctg tccacgcagg ccgtcaggat cgccaccaag gccgagcagc atgagcgctt 60

catctttaag gtcacacact tgctgggtgt tcttggattt gggggatttt gctatctctt 120

gggtgccaga ccacaggatg tgccatatgt gtactgcctg ttctatgtca tatttgttcc 180

gctccgctgg atttactacc gctacaagaa atggcattac taccttctgg acttctgcta 240

ctatgccaac acctttctcc ttgtaatgat tctcttctac ccagaggatg aaaaactttt 300

tatggtttgc ttctcgtttg cagagggtcc gcttgctttg gcattaattg tgtggcgctg 360

caacttggtt ttcagttcat ttgacaaact nngtaatgtc ctgatacatc 410

<210> 26540

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-C1

<400> 26540

cgaattgagg agacgagcgt acgtcgtgta caccgttgcc gagagaatcc aggagggagg 60

gagagaagac cacgtcgcag ggagaagcgt gcgtcgtcgt tgctcaggag tgccgctgcg 120

gaccactcgc cgttactcta aataccaagc actggatcgc tgggtggggcg ttacaccggc 180

aaggaggcca ccgtgggctg gagcgccgtc gggctcgtc gacgtcgaag gttgacgaat 240

cacggtggcc gaccgatccg agcgaacgac accgattgga ggagccgggt catcaccgcg 300

gttcgcacct ccatcgtggg acggaacgtc tacgctgcga ttgctggtga gacgagcaag 360

tgactgagga acccgaagca ccgtatgttg aagattctga gcaggagctc gcag 414

<210> 26541

<211> 143

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-C3

<400> 26541

cattcgtcac gcatgcgtga cgcgcacgcg tcaacttgag ccccgacttc caaaagctgc 60
 taagcgtagc actcaatatc atcatcgaag cgttctgcac catgttcaca tgcataacgc 120
 tgacagcgct gaacgcatga tct 143

<210> 26542
 <211> 285
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-036-Q1-K1-C4
 <400> 26542

cccacgcgtc cggcggccgc ttttcgttaa cttcagcctc gacttttata aaaatagaaa 60
 agcgtacgct cgaacctaata acacgaagca aaccacacca tgtgcgagcagg catcgccctg 120
 ccaccctcca acgccggagc gccctactac ggcgcgccgc cgccttcagg gggctccgcc 180
 gatgcccccg ccggcgccctc cgaaggccct gcgagcgcca gcggcccgtc tgggtgacgac 240
 tcgccggcgt ccgggtgctgg tgccagcgcg tcagctgctg atgct 285

<210> 26543
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-035-Q1-K1-H8
 <400> 26543

cggacgcgtg ggcggacgcg tgggcggacg cgtgggagac gttcaacgac ggtggggaca 60
 cgccgctgca ggtgtgccc cgccatctac gacgaggcca tgtttcttca atagatccgt 120
 cgtcgtgggc tactacaaga accgcgtcaa ggtagagtat cccgcttggt gctttatgct 180
 accgctgcat gcagtctagg tgttcagtga aatgtcaatg caattttgct attgttttgc 240
 gattgattgc tatgtgctag cgtctgttgt atggtggtga gttacgaggc cattgagttc 300
 cttctgtcgc ggaaggttac agtcaaagtt ttgtgattga ctgctatgtg ctagcttctg 360
 ttgggtctga tcaaatgaa caataactga ttttgtcagt agcggaaggt cgcagtcaaa 420
 gtttttggtt ttgccggcat tcaa 444

<210> 26544
 <211> 179
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-C5

 <400> 26544

 ggaggacgtc cgagctcacc atccagtttg ttgactggtg ctcaaattggc ttttaagtgcg 60
 gagttaaacta ccagagtaca aacgtttctgc ctgattctca cctaattgcaa ctgcacctca 120
 ctaactgcat gacctcctac tacaccattg atctgtcagt ggtcttccca atcgatcac 179

<210> 26545
 <211> 459
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-036-Q1-K1-C6

 <400> 26545

 cggacgcgtg ggcggacgcg tgggaggacg cgtgggcgtg atcgttgtct gctttgtccc 60
 cgacctcgcc gggggctcgg ctacgccctc ggagcagggtg ccggctggaa ggatcagggtg 120
 ccgcaagagc ttgtcgccag aggcactctg caagctgagg agatggctcg agtctgacca 180
 gtagacgctt ctatctgtag aggccagcgc cagcctgtgt ttctgtgctg tggctgtgta 240
 aatattggcg ctgatgggtg tccgtctagt acggctgtgc ttacacggcc agcaattttg 300
 tagctgagag agagttcccc ccaccggcgc tgccgctttt gtttcacacc gtttngtacc 360
 tttgtgggat gtacatacca ttatccattg tgctcggttc ggctcagggtt ggcagagaga 420
 ataactactc tagttcgcta ccaccgttg cttgcctga 459

<210> 26546
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-035-Q1-K1-G3

 <400> 26546

 cccacgcgtc cgcccacgcg tccggttcta gatcgcgac tagctctgtg tcacagntaa 60

agattattgc tcttactcat gcaaaagata tagtcgtatt catcgatggc aattactatt 120
gtatttgagg aggcatccaa aggaggtgct cctttgtctn taccaattgc tagtattgag 180
gttgggcatg gtcacagctt gccaaaccta gcactcagga ggggcgagga acactctttt 240
attctcaaac cagcaactat gtcctcaagg gaacggaaga ccaacagtca tgcacctctg 300
gccttatcac tccaacgat gaccggtgct actntaaata ctcatacacc agaggctggg 360
gagccgtatg ctgatctaag cgaccaatat gctgtactgg tatcttatcg ctgtaattac 420
acagaatcga aactttttt 439

<210> 26547
<211> 443
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-G4
<400> 26547

cccacgcgtc cgctctactg catgggtcat cctcacaggt gccatgggcc tcctcgccgt 60
tcctttcatc atccctgcct gctccagttg ctcatatgtg gatacagatg gccctgacct 120
tgcatcgcca ctaaaccatg atgaccaca taagccactc ctaataagta acaatcatca 180
gatggagtcc aatgccatga tgcaaaatcc aaaggagaac cagatgcagg gcaattgttg 240
tggaacagtg atgggcaagg gccgcctggc gacactcggg gaagaacaca gtgcaaaaaa 300
gctcattcgg tgtgtggact tttggctcta ctacacagcc tacttctgtg gagccactgt 360
tggcctggta tacagcaaca acttggggca gattgcgcag tcattgaacc agcagtcaca 420
gctcaccatg ctcccttgctg tct 443

<210> 26548
<211> 408
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-G5
<400> 26548

cttcaaggga tctctgggcc acaaaggttt cagatacata aggcctacgg cagcacgaac 60
catctgcctt cagctcatatc ttgctttaac caactagact tgcctgagta cacatccaaa 120

gagcagctcc aggagcgggtt actgttggca atccacgaag caaatgaagg tttcggattt 180
ggctaatacag ttatactcgt ttgtccgtgc cctgagaact gcaaataaggc gagcagcacg 240
tgtgtggctg atctcattct gaactccacg tgtgtgatga gagatggccg gagagaacat 300
gtccaggata gacgaatgcc cgtgggagag gtactactgt taagagagag agcgacgatt 360
ttgtgtttat aatctttgtc cgtttgtagt ttttgcctta cattggtc 408

<210> 26549
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G7

<400> 26549
ctctatgcag aatcactcgc acgctttcaa ggagggtccc ctacatcta cctctatac 60
ggctctgggag agctccctca ggcctttgcc cgctgagcg ctgtttacgg tggcacgtac 120
atgctgaaca agccagaatg caaggctcag tttgatgaga gtggaaaagc gtatggagtc 180
acttctgaag gggagaccgc caagtgaag aagatcgtct gcgaccttc gtatttgcca 240
gacaaggatga agaagggttg aagggtggcc cgcgcgatat gcatcatgaa gcatcctatc 300
ccggacacca aggactcgca ctccgtgcag atcatcctcc ccaagaagca gctaaagcgc 360
aaatccgaca tgtacgtgtt ctgctgctcc tacgcccaca acgtcgcgcc caaaggcaag 420
ttcatcgcct tcg 433

<210> 26550
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G8

<400> 26550
cccacgcgtc acacgaccgc gatatcgtcg gacatgccga gatatgacga taggagagca 60
ccttacgggc tgccacgatt gaataatcct tgatcgagta gctctcgaac ggaatcgaga 120
gatcatgata tggatgctga ctgttcgcaa cgcaggtatg atcatagtga tgctgggtag 180
cacgcttcta ggctgacgc ctgtgccttt ggactttgtc actcgtacac aggccacaat 240

tgaccctgac catatactgg ctccagctaa ccaagctgac catgaccaga tgcggctgaa 300
gacttaacag gctttgcaag acgctgaaag cgctgaagat gaacaacctt taggcgtaga 360
agctcac 367

<210> 26551
<211> 352
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H1

<400> 26551

ggagcggttc ggacgagcgg aggaggatga caggatggct accggacgag cggttgcggt 60
ggccatggtg gcggcgccgg tggcgccggc ggcgctgccg ctgctcgtgg gtggcgcgta 120
cgcagactgc tacaactacg gtttcaccga ctgcttgacc aaggacaggt ccttgaagga 180
ctactgcagt tacgcctgcg acaggacttg cgcgcccgcg gcggcgcccc ggcgccccgt 240
cgccggtctc ccataaaact gccagctggc ctgcgtcagg gactcctgca gccgtcgccg 300
tgcagatgct aacgacatga aggcctgtta cgggcagtgc tacgaccgtt gc 352

<210> 26552
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H10

<400> 26552

gcaacaatcc tcgccccaaat tgtataattt cactcacccc caagagcgag cgaatcaacc 60
tgtgccggaa catacagagc aatcctcttg cactgccacg tacggtgcac gcaccatggc 120
tgtgtccccg gccgtcctgc tcctcgtcac cctcacgggg gctgccgcgt cctcgccccc 180
ggattccact cctgaggatg ccgataccaa gccgagcatc ctgaccccca tcgcgcacag 240
cccgtgga tcttttgaag gcgccgatgg gcccgctgcc gacaacgcca tcgacgacga 300
tgacgcggcg cccgtgggct caccatcgg caccaccatg acggagccgg agccgcagct 360
cgcgcccccc gggtccccg atagcagcgc caccgctgct tccgtaggcc acccagtcgc 420
tgctgctgct gttgccgc 438

<210> 26553
<211> 145
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H11

<400> 26553

gccacgcgtc cggagaaatt tatcggatgat tttactttgt gctacgggat gtgctgctgc 60
agtctatcct agtgtcagtt gatttttctg gtaaaactgt gaccaaataa gttaattcgc 120
caagcatcat tactatcgga atttc 145

<210> 26554
<211> 289
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H12

<400> 26554

gactagttct agatcgcgat ctagaactag gtgtcctacg tggcgcggcg ggccccgcct 60
agtaaaggag cgtaggagcg tcgttttctg ttgtggtcga ataaataatg tgtctgtgtg 120
ccgatcccggt gtcgggttag tggggccact gtcgggtgctg atgtggcctg cttttacagc 180
acatcggtgg ggctgggccc tagagctcct gtgtcgttta aatatatgtg tactctgtac 240
tgtaccaact agtatgtgtt tcgagtgtgt agtaagcata tttgtgtcc 289

<210> 26555
<211> 431
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-H3

<400> 26555

gaggagggag tgtacgagga gtacgtgacc atcaccaaga ctatgaagaa cgtgaccttc 60
ttaggtgacg gctccaagaa gtccatcgct accggcaaga agagcttcgc cgacgggatc 120
acgactttca agactgcaac cttcactgcg caaggcgacg gattcatggc gatcgggatg 180

gggttccaaa acacggccgg cgcggagaag caccaggcgg ttgcgctgct ggtgcagtcg 240
 gacaagtcca tcttcctcaa ctgcaagatg gacgggttcc aggacacgct gtacgcgcac 300
 tccaaggcgc agttctaccg caactgcata atctccggca ccgtggactt catcttcggc 360
 gacgcggcgg cgggtgttcca gaactgcata ctggtgctgc gccgnccgat ggacaaccag 420
 cagaacatcg c 431

<210> 26556
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H5

<400> 26556

accacgcgtt cgatgactgg aggccgctcc tacttgcaact gctatctcga taagctgatt 60
 accaacgcgc ctgactgccc ggcttcttac gacatagcta cggttcgatc cagccttac 120
 tgattgcaag caggggtgata gtcataga ctatagctga actttcaagc tgtcaaagta 180
 gagaacttct gctgtaacga tactaaaaga cccaatcgat ctcgtaattta gcacatatga 240
 gtactcagat gacgttgccg atcgatcttt tgcgcatgca aacttaactt atggcatgtt 300
 tatgactacc catatgttca caaagtgtcg tgcttgcaat gctttgaaca tctgatcttg 360
 gaagtacttg gatccataga ttaggtaaga tc 392

<210> 26557
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H6

<400> 26557

tttcttcctg gggggggcgc ccaaggccat gacgggtgcgg cctctcgtcg gtgcgcttcg 60
 gccaggcgtg gcgtgtgggc gtcctctcct ggccggacagg gctcgaaccc aaactccggc 120
 tcaccgacgg ggggcccggc caagcgggcg cggctcctgc cccgacctcg gcccgacgcy 180
 cgcggtgctg ggtcctccgg cagcggccag gcggtcggcc tcgaccccg tggcgcgcg 240
 tgcaggcccc ggcgcgcggc cccccgtgg cagcgggggc agacggccca agcgcgcgga 300

cgcgcggtct cccggcggtg gcgcgggcag acccgcgct cgggggcgcg ggcgtgcggc 360
 cccccgtggc ggcgcgggct aggcagggcg tgggcgcagc cccacggcgg gaccgcggca 420
 tggcagcgcg cgacacgcgg gcac 444

<210> 26558
 <211> 446
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-035-Q1-K1-G2
 <400> 26558

gccgagcgat ctctctctcc tctccctctg cgatccattc tccagcgcag cgaagtaaac 60
 atgtctgacc gggcaaagat gtcgtggcag gcgtacgtgg acgagcacct gatgtgcgag 120
 atcgagggcc accacctcgc ggcggcggcc atcgtcggcc acgacgggtgc cgcctggggc 180
 cagagcacgg cgttccccga gttcaagacc gaggacatgg ccaacatcat gaaggacttc 240
 gacgagccag ggcacctcgc gccgacaggc ctgttcctcg gacctaccaa gtacatggtc 300
 atccaaagcg agcctgggtgc cgtcatccgt ggcaagaagg gatcaggagg catcaccgtg 360
 aagaagacag ggcaggcact cgtcgttggc atctacgacg agccgatgac gcctgtgcag 420
 tgcaacatgg tgggtgaaag gctggc 446

<210> 26559
 <211> 376
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-035-Q1-K1-E9
 <400> 26559

gcgacaacgt atgcaagacg gagaagttca caggcggcga gtgcaagatg gacggcgtca 60
 tgcgcaagtg ctactgcaag aaggtctgct agggcatgac cggcagcaag ccccaaccgt 120
 acggctggtt gatccggttg cacactgcac agctcgtttg ggcacgcggc catgttccgg 180
 cttctcggtt ttattttattt cttctttggtt ataataaata gactctgtta gtcacgtgcg 240
 ttttagtctg gggtgtacgt tattaattct ctagtgtatt gtatttgccg aacgcgctgt 300
 acttaacgta gccatgtatt cgcgttgctg ggtggagagg ccaacgattt ataaaaaaaa 360

aaaantaaat aaaaat

376

<210> 26560
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F1

<400> 26560

ggcgagcgag tgcggctgcc gcttcctctg cgagtcaggc gccatttaat aattcaattg 60
gacccccaaag cccacgcttc cgaattcacc gactcctcct acacgccgcg tcgagatcgc 120
tcaggccttc gcttcacgca actccaccac tcagcccacc cgccggagca atggggagca 180
cggggcgcga gccggagggt acccgcgccg actttcccga tggcttcgac ttcggcggtg 240
gcacctgcgt gtaccagatt gagggagcga gaagggaggg aggcaaaaga gacagcatat 300
gggatgtatt tacagatgac aaagaacatg tcttagacag aagcaatgga gatattgcag 360
ttgatcacta ccatcgatac aaggaagaca ttgagctcat ggcaagtcta cgttttagcg 420
catacagaat ttctatatc 439

<210> 26561
<211> 199
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F11

<400> 26561

cttaagcaag atggaccgcc cggcagacac acacctgact gacctgatga ccatcactca 60
ggtcattctt aactaacaaa tcccttacct ctattgccgc tactacttca ccattctgct 120
ctaccacatc atcctatgct acaagtatat cacctccgtc agtcaacaag gccgagctct 180
cccagctcat ctgactcac 199

<210> 26562
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F12

<400> 26562

gccacgcgtc cgcccacgcg tccgctcacg cgtccgcca cgcgtccgtc cacgcgtgcg 60

gaagagcgtc agccggttca ggaccttgct gggccgcccg tggaaggagc actcgcgcac 120

gctctacatc cagtcggaga tcggcggggt catcgaccg caaggctggc tgccgcggct 180

cggcgacttc agcctcagca cctgctacta cgccgaggag gaaaaccacg ggcccggcag 240

ccaacatgac cagacgcgtc aagtggagg ggatcaagaa catcacctac cagcacgcgc 300

tgcagaagta caccagctag agttcatcc aatgccagca ctggctcca cagctcggcg 360

tgccattcat accggggctg ctgccgcagc agcaatcggg catgatacac tgacatctaa 420

tgaagatgat atatgatcgg ca 442

<210> 26563

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F2

<400> 26563

cccacgcgtc cgcccacgcg tccgcccacg cgtccgagac cgaccccggtg gccgtcgtgc 60

agcgcttcaa cgacggcggtg cacagggcga cggcgacgcg gtcgcgggtcc ctggcgacaca 120

gggcgcgggg cccctgcacg gcgaccaacc ccatcgacca gtgctggcgg tgccgccgcg 180

actgggcccg cgaccgcaag cgcttgcca ggtgcgccat gggcttcggc cacaggacca 240

ccggcggggt ggccggcaag ttctacgtgg tgattgaccc cagcgacgac gccgtcgacc 300

tcgtcacccc caggaagggc acgctccggc acgccgtgac ccgggcccgg gcgctgtgga 360

tcaccttcgc gcgcgacatg gtgatcgagc tctgccagga gctcatcgtg agcagcgaca 420

agaccatcga cgggcgccga gcgca 445

<210> 26564

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F3

<400> 26564

cttcaagttc ctcccatggt gctgccgtcg ctgggtcacc ctgccactgg accaggactg 60
gtttaacgcc gcgagctagg cggccagcca agacacgtgc aggtgcagac acggtggcgc 120
cgttgagcgt ggccggcagc accggaggtt cggatggtgg cgtccccaca aacttcctga 180
ggacccccac gtggaagacg tctgtggagtc tggcgccggg cgggagctgt aggcggaagg 240
ccacgtcgtt gatgacttcc tgcacgcggc gcggcgctgg gactcttgag cctgggtggag 300
acggtagcgg acgtcgtcga ggaaggcagc gcgctcctcc atctcttgcg ccaccgcggg 360
agcgcgcgca ttcgccggct cataggaccg gatggttggc gggtcgctgg cgtacaccac 420
ccggaatggc gtgtcg 436

<210> 26565
<211> 443
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-F4
<400> 26565

cccacgcgtc cgctcggctc ggccaacgcg atctgttccc caacctccgc agccgctcga 60
ccggcctcca ctccggctgc cgaatcgacc cgccccgac cagatcagga gctgagggat 120
ggacgcgaac aggcgccaga gtgggatcca gcagttgctg gctgcggagc aggaggctca 180
gcaaattgtg aatgccgcta gagctgccaa gtcagcgagg ctccaggcaag caaaagagga 240
ggctgagcgg gaaatagccg aataccgtgc ccagatggag gctgagtttc agaggaaggt 300
tgcagagagc agcggcgact ccggtgcaaa cgtcaagcgt ctccaggaag aaacggcggc 360
gaagatcgag caactacccc agcaggccgc atgcatctcc ccggatgtca ttcagatgct 420
tctgcggcat gtcaccaccg tca 443

<210> 26566
<211> 366
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-F5
<400> 26566

cccacgcgtc cgccccgcg tccgtccgtc gcgacgattc ctctctcccg cccgggcccc 60

accgatctca cgctctctct cttcctccgt cgcgtcggcg tcgccatcgc cggccatggg 120
 ttgcggtggc tccaaggagg ccgtggccac cggcaacacc agcgccggca gcaaggtcct 180
 ccggaggaag tctcctccg tctccaccg cgcaagccac acctccacca cgtcgccgtc 240
 gtcctccggc gtcgttgta aggacgtcgt gaaggatgcg gcggcggccg gcgaggtgat 300
 gacgcccgc gacgccgaga agcctatctc tgtcgacccc aaggcagacg ccatcccggt 360
 gatgga 366

<210> 26567
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F6

<400> 26567

cggacgcgtg ggcggacgcg tggggttgta gcccgaagat tgtgcagcac atattctggc 60
 agttattgta aatttctctc aggataaatc ttggcgtgtg cgctatatgg tggcaaatca 120
 actgtatgaa ctatgtgaag ctgttggtac tgagcccaca aggggtgacg tgggtgtcagc 180
 gtatgttcgc cttctctgtg acaatgaggc tgaagtgcgg attgcagctg ctggaaaagt 240
 taaaaaattc tgcaaaatat taaaccacaa aattgcaatt gaacatatcc ttccgtgtat 300
 caaggaatta tcatcagatt catctcagca tgttcgttca gctttggcat cggttattat 360
 gggaatggct cctgtattgg gaaaggacgc cactcttgaa caactgcttc ccatttttct 420
 ttctttgctg aaggatg 437

<210> 26568
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F7

<400> 26568

atatgtgct gcctgacctg tataatctcc gatctgggcg tccatgagga tttggatatg 60
 aacagaggcg ctaccacaga ggcaatcaat accttggtgg catacaagtt ccaatcaaag 120
 agggttcatg atggggatgt gggaggagat ggtggtggag ctttgaaacg ttggaactga 180

cagaaagcga gctattacta gactaaaagc tctatgctgt atctgcttga tcacgtttta 240
 atactacgaa gacctgggcg aactatcctg tgcacatgca ttccacacgg aatgcataga 300
 taagtggatc cagatgaaca cgttgtgtcc tgtatgcaag gctgagatca tgggatcata 360
 agcgtcctgt gatccataga gtgactatga ggatcccgac aacac 405

<210> 26569
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F8

<400> 26569

atcaagttca acggcggcgg tcatgtgaac cattcaatct tttggaagaa cctcaagcct 60
 attagcgaag gtggtgggga gccgccacat gggaaacttg gctgggccat cgatgaggat 120
 tttggttcat ttgaggcact tgtaaagagg atgaatgcag aaggcgctgc ttacaagga 180
 tctggatggg tgtggttagc tttggataaa gaggcaaaaa agctttcagt tgaaactaca 240
 gctaatacagg atcctctggt gactaaaggt gcaagcttgg ttccgctgtt ggggattgat 300
 gtctgggagc atgcgtacta cctgcagtac aagaatgtta ggccggatta cctgaacaac 360
 atctggaagg tgatgaactg gaaatatgct ggagaggtgt acgaaaatgt tcttgcttga 420
 attgtcttaa tggacaat 438

<210> 26570
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F9

<400> 26570

cccacgcgtc cggcatctcg cccgccgttc tcgtccttgt agatctcttc gcacctggcc 60
 cgttcgcttc accaagggtt taagaccggc ggcgatggcg gcgaagctgg cgcagctgcg 120
 cacacaggta acgcgtgcgg cggagttcgc ctgcaagcac ggctgctcct actacaagga 180
 ggtaatggag aagaacaagc agtacgtcgt tcagcccccc accgtcgaga agtgccagga 240
 gctctccaag cagctctttt acaccgcct cgcaagccta ccaggtcgct atgagtcatt 300

ctggaaggag cttgattgtg tcaagcaggt atggaagaac aggaaggacc tcacggttga 360
ggaccttggc attgccagtt tgtttggagt tgagctctat gcatggttct gcgtaagcga 420
gattgtcggc ag 432

<210> 26571
<211> 431
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-G1
<400> 26571

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgccgac cattaattat 60
attctctctc tctctcttct atttctatag ccagcaggta gcaggcaggc aaccggcccg 120
tatattagta gatcttcgat cgttcatcca agctaataag tcagtaagca gcagtaggtc 180
gaaaatggcg atgaggtcgc tagcgctact ggtcctctc agcctgctgg ttgttggtgt 240
ggcgccangcg gtggagttgg agatggagtt ggtgcctgct gatgcaattg cgatgactat 300
ggatcatgag ccgcccgang agtgcgcgac cccggtgagc gtggaggagg cgtgccgcgg 360
cgcgctcgag acgcacgcgc gcgtggccta cgaccactgc atggcgctgc tgggcgccga 420
cccgcgcacg a 431

<210> 26572
<211> 426
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-G10
<400> 26572

cttctcaccg catcacctct ccctccggcg cgcgcgtccg ggtacagcgc tagagtcact 60
ggccaccatg caagcggcgg cggcggcgaa tggcgcgggc gacgtgcaga agcctcagca 120
gcagccgctg gtggcggggg cgccgcccc accgccggcg gcggccgtgg tgccgcccc 180
ttgggtcgcc atgccgttcg cgccgcctcc cggggccacg gccatggtga tgcagccgca 240
ccatatggcg cctccgcgcg cgcagttcgc gccgactcac ttcgtgccgt tccacgccgt 300

cgcgcgggca ccgtcgggtgc cagcagcgggt cgcactgggt tccccagcgc cgcattcagcc 360
 cgggcaggag gagaacaaga gcgtgtgggt cggcgacctt cattactgga tggacgagaa 420
 ctatct 426

<210> 26573
 <211> 185
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G11

<400> 26573

cctgttctcg ccatacggcgc agtccttcgg tagcggcagc ggcagttcgc atcattggga 60
 gaattgagca ataatgcaat ataaggatgg atgattgttg ctgcttgagc ccattgggtgc 120
 caatgtacat aggaagagca ggagcatgcc ggcatgaaaa tttggagcct ttttttcagt 180
 gtgtc 185

<210> 26574
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G12

<400> 26574

cgtgcttacg ctctcgtctc ggctttgctg ttgaaggacc agctgctaga cgtgggtgcac 60
 taatatccgg agcatgtact gcacttcttc aatcgttgta tctatttata agttgtaatg 120
 ttacttgaaa acagtgacaa ggtaattatt tacctgtcta agcagttgct gaatcaataa 180
 ggaaaaaaca caacacatca tgataataat gaggcaatgc aaatacgact tttgtattgc 240
 ttgatctagc tagggtttgt tactgcttga tctagccagg ataagaatgc caaaacgatc 300
 ccttaaattc aaaggcccca acgactgaat gaaagcagat ccaaaaaaat gctcaaaaaa 360
 aagagcagtt ccacaaatgt tccttcccct acctatggtg acctt 405

<210> 26575
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-E8

<400> 26575

tgctattact agtatagtag gtgataaaag gcagccaggc tgggtgtgtgt ggtgcagggt 60
cttccataca cgcgcaagca tgggtgccagt gccacgttcc ggcagggtcac atggggttgga 120
agccggacgg acggggtagg gcgtccgggtg ctagtagcct ctgacgaaag agacggaagg 180
ctgctttcgt gacattctat tctatttggg ggggtctaata cgcgcgtctc tctgcagttt 240
tcttggttgcg tgtagcggta gtgcagcagc agtactacgt taaaaaaaaa gaaaccgcgt 300
ggtgcatagt ggagcacggg gtttcgagaa aagaaagacg accggggccac agggaaaaac 360
gccagagaa gcctcaaaaa aggcacccta ctaccttggg ggtggtggca gtggtaggaa 420
cagtagacga cagcacgct 439

<210> 26576

<211> 191

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D2

<400> 26576

tgcatgtgca cgcgtgagta tttgcttttc cgtacatact ctatgtatga acgtgtgcgt 60
gtgtgaacta actacatgag acgacaaggt gcaagagaca tgtctggggc atcatttgta 120
tggctttaat ttttgttatt atatatagat aaggaaatat cttccttaaa aatggagtac 180
aagggattgt t 191

<210> 26577

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D3

<400> 26577

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggcc gacgatggcg 60
tcgaataaga cggtcctcat cgtcgcggcg atgcttctca tcacgctcgt gctggaggcc 120
gcccctccgg cgaccgcat ggactgcaag gccgggtgtg acgagggtcac gggcccactc 180

cacatgagca tggaggactg catgaagagg tgcaaggaga tcgctgctaa gcaggggcct 240
 agggaccctt acaaggataa caaacttgac atcccatgaa ctaattaatg ctcctatatc 300
 atctgcctat ccatgcatgc attgcattgc gtatgcacac tgtgcgtgcc tgcccacaaa 360
 gttcgacaac acaccgatct cgacggattt gtaatcgtgt ccactcgatc gagagatcga 420
 tcgatgc 427

<210> 26578
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D4

<400> 26578

cctaccgccg ccgtcgcagg cacggttcgg cttcgagatc aaggagggtgg gcatgaccag 60
 ccgctacgcy tccgctgagg atctgcacca gatggacagc gaccaggaag aggggtgctga 120
 ggggtggcgat gacggtgaca gcagttgccc acacgccatc gacatgcaag cggaggagtt 180
 catcaccaag ttctatgagc agttcaagtc agaatcggtc aacggccgtg cctccgagtg 240
 atccattgat ccatccgctt gcggcatgta tgtaatacgt ctgatcttac gccgaaattg 300
 cattcgcgtc agatacgact ctagccaata tggatcagga agaaatgtat cagtgatcgc 360
 attgataaac acagtgtgtc tgaactataa actattgtgt gacatcattc tattcttcaa 420
 caaactaaa 429

<210> 26579
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D5

<400> 26579

cctgattcaa gaagtgaac acacagattg tcattcctca cctaacagag aactatgggg 60
 catccagaga tccaccagaa aagcaggcac ctatgtgcac tgtacattcg tttcctcaca 120
 acattgatca ctgcctgaca tgggctagat ctgagtttga aggtctacct gagaagactc 180
 ccactgaagt aaacgctttc ctgtcgaacc ctggtggata tgcaacggca gcaagaactg 240

ctggtgatgc acaggctagg gaccaacttg agcgagttat tgaatgcctt gagacagaca 300
 tgtgtgagac atatcaagat tgcattacct gggcccggt gaagtttgag gattatttct 360
 tcaaccgtgt aaagcatctg acattcaatt tttctgaaga tgcattaact ag 412

<210> 26580
 <211> 184
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D6

<400> 26580

ggcaaaggct ctcctaggtg gcctatcttc gatcctcgtc gtggcggtgg tcggcggtgt 60
 ggtcgccacc gtcacccgct ccggcaagaa ggccggcgac aacttcacgg tcccgggtgga 120
 ggcttccttg ccacgtccgg caagtcggtc aagttcctgt gcgcgctcac cctatacaag 180
 gagt 184

<210> 26581
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D7

<400> 26581

cccacgcgtc cgcccacgcy tccgcccacg cgtccgggtt ggatcaagga ttaatggaag 60
 gttactcctg cccaacttgt cggagaccgc tcgtattgtc atctgaaggg caaacaaggt 120
 ctccgattgt ggaggcagca aatgttcagc gaatcgaga acagcttact atggggatga 180
 atcagcagag agtttctggt aatgaacatc ctgttgaaca gcagaaccct tcagatgctg 240
 tttggagggg tgctggtctg gatgctagct ggattccacc gtggtcaagc cctgtgatag 300
 ataatcccag ttctctagt gcagtgaggt cagtaggtct ttctggagtt cagatgatga 360
 tgaggcagtt ggcttctgtg accgacagtt atgggcatgc tgatg 405

<210> 26582
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D8

<400> 26582

gtcaaccgtc atcgctttct cccctcccc cgtctcttct cctcgaggg aataagcccg 60
ccgcgtgaag cttcttcttg catccgagtg cggattcacc tccaatctgc cctcggggcc 120
gccggcgccg atggagaagg tgaagaacat gctcaagccg cggccgacgc cgcagcagca 180
gctgcgcgag tggcagcgcc gcctccgcaa cgagtgccgc gtctcgcacc gtcagatccg 240
agatgtgcag agggaggaga agaacgtgga gaaagccatc agggaggctg ccaagcgcaa 300
tgacatggga tctgcaaagg ctcttgctaa ggaacttgta agatcaagac gtgctgttaa 360
tcgtctttat gagaacaagg ctcaactaaa ttcagtatca atgcaccttg gagaaattgt 420
cgcaactgca agaacagtgg 440

<210> 26583

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D9

<400> 26583

gtcgtcgtct cactcaccgc gccttctcgc ctccctcacc aaataaggct ccgccctgtt 60
gggacattca caggggggac aggaaatcat ctgccttggc ctcgattccg gctactacct 120
tcgccgtcat cttatccgtt ctattctgtg ccgcggctgg caccgtcgtc tacaacgacc 180
ttcccgacta cgtcatccat ggccgagtct actgcgacac ctgccgcgcc cggttcgaga 240
ccaatgtcac cgagtacatc tcggacgcca aggcgaggct ggagtgctag ctcttcttca 300
ccggcaagct cgagcgctcc atcgacagtg tgaccgacgc gatccgcacg tactctatcg 360
tgctcaacga cagggacgat gatgacatct accaagtggc cctgggtggaa agc 413

<210> 26584

<211> 245

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-E1

<400> 26584

tttccttcta ccgcagcctc agaattcctc cctcccccggt agcgaaaccc tagccgccac 60
gccaaaacca aatcccgccg agcccgaaat tttccggcgg gttccttgcc gcgaatcgat 120
ggatttcgag cgattcgact ccttggggat ctctcgccgg ggtaaagcgc ggtcgaccgt 180
cggccatgtc aaggtgcttc ccctaccgcg caccggggta cgtgcggaac ccattggccg 240
tggcc 245

<210> 26585
<211> 434
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-E10

<400> 26585
cggacgcgtg ggcggccgct gagcgagcag tctcccaatt ccaccaata actaatgaca 60
tgtcctcgaa cgccaggctc cttggaccac tatatccagg agcgacgaag tgatccaccc 120
gccagccatg gagatgaaga aggtcctctg cgccgccctc gtcgcccgcg cctcggccac 180
cgccgtgctg gctcgggtcg cctccgaggc gccctccgag gcgcccgcg ggcgggtcgg 240
aggtgcggct ggccctagcg caagctgcgc cgccgcgcgc gccgtgcccg acgcccggggc 300
gctcgtcggc tacttctctg cctactacct cactgagcg acgacgcgcg gggcggcaac 360
gttgggatgc atcgtgtttg gttcatccga ttaattaatc gttngtttta ttgacgtggg 420
ttgcgattgg ttaa 434

<210> 26586
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-E11

<400> 26586
gagtcctcgc ggaatccggt gccaggcctc gccttctcgc ggcgggtgctc cctccctctt 60
ggccccccag cgacgcaagc aggcgcgcgc gcggccatga agggggggcg tgccatgagg 120
ccgtcgccta tggtctacgt ccacgaggcg gacgtcgtcc agatccacca cttcctcgag 180
gagtgcctcc tctgcgcaa atcgtctctc ggcgacatct tcatgtacag gggtgacacg 240

ccgttctgca gcgaggagtg cagggagcag cagatcgagg tggacagggc gaagcaccgg 300
cggaagaagc gcgcggcggc gcacgcgctg tccgcacgca gcagggagca ccggcaccag 360
cagcagctgc agcagcacca ccaccagcag cagcaaccgc agccgcggaa tgccggcatg 420
gacaccc 427

<210> 26587
<211> 426
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-E12
<400> 26587

cattctctct ctctctctct gcccttcttc gcgtgtttcc ctctttttct taagccgccc 60
tgtacacttc tcgacataac catcgagagg gcggtcgaga gaaacgagag cggcagacac 120
catggggagc tcgaggacca tcgttgcgtc cccctgctc ctactcgccc tgctctctct 180
ggctttcgcg gccaccgccc agggccgcgt tgtccccgag ctgtttggcg aggaccaatt 240
ccagcggaca tgcaaccagg tgcacttcac gaagatgtgc cagagcttga cgaggctccc 300
gagggtgaca acgcccgcgc aactgctgct agcgtcgatg cgcgtcgcgg cggagaaggc 360
cagggaggcc aagagccggg tggacgagtt cgcggcgagg aaccacgagg gccggccgat 420
agagtc 426

<210> 26588
<211> 345
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-E2
<400> 26588

cttgcattga ccggaatctc tctcaatatc cttttcacga ctgtagcata tagccctggg 60
agggatctaa tctataacgg acgagcgaat gtgctggaaa atctcatgca tcgaatagga 120
tatactccat cgaatcttct caataatgat gtgtccatca tcctgaggcc gctatgcatg 180
tcagatattc atgaagcaaa taactatgtg gatccatgct ttatcaagtt caatttgaaa 240
cgatgcgaat gcagattgac actttacaac ttgagaaata aactaatggc agatotaatg 300

ttataataca ttgtaaactc taaaattctt gtgtctgaaa ttttt 345

<210> 26589
<211> 428
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-E3

<400> 26589

cggacgcgtg ggctctcgtc gtcaagcatg atgtgagagg agccggcggc ggaggtgagt 60
ggcgggtgga gtaccactgc tgctcggcgg cctntttcga gcacatcgtc atcatcatcg 120
tgctcggtgt cttcgcgggc ctcatgtcgg gcctcaccct gggcctcatg tccctcagcc 180
tcgtcgatct cgaggtcctc gccaaagtacg gcaccgagca agatcgcaag cacgcagcta 240
agattttacc tgttgtgaag aaccagcacc ttctgctatg cactcttcta atctgcaatg 300
cggctgcaat ggaggctttg cccatattcc ttgatagctt ggtgacagct tggggtgcta 360
ttttaatatc agtgacactg attctgcttt ttggtgggat cttaccacag ttcactctgct 420
cacattat 428

<210> 26590
<211> 66
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-E4

<400> 26590

cccacgcgtc cgaaaaaaaa aaaaaaatTTt tattaaaaaa aaaaaaaaaa aaaaaaaagg 60
ggaagt 66

<210> 26591
<211> 437
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-E6

<400> 26591

cccacgcgtc cgcccacgcg tccggaggta gaaccagcag cctccaataa gagccagcca 60
gagaaactaa taaaactctc gccgccgcca tccgagcgaa caagccaacc gaccccgctc 120
ccaaggcaat ccgccgccga cgtaccacca ccaccgcagg agcgagatgg agatgaagag 180
gatcctcttc gccgtectcg tcgtcatcgc cgctcggcc accgcagtgc tggcctccac 240
cgaggccgcc gccgcgggcg ccccaactgc ctccgagtcg tccgccgagg ctcccgctgg 300
cgctggcgct ggcgtgcgcg ctggcgccgn cgnctcgggg cctcgcgcca gcagcggcgc 360
gcccgcctc gccgcgcgc ccgccgcgt cctcttctcc ctctcgcct actacctnca 420
ctaagcgtgt gcgtgcg 437

<210> 26592
<211> 433
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-E7
<400> 26592

atgccagtgg tcgtaccaca ggtatcgtgc tcgactcggg agatgggtgtc agccacactg 60
tccccatcta cgaggggatac gccctcccc acgccatcct tcgtctcgac ctggctggcc 120
gcgacctcac cgactacctc atgaagatcc tgactgaacg cggctactcc ttcaccacca 180
ctgctgagcg ggaaattgtc agggacatga aggagaagct cgcctacatt gccctggact 240
acgaccagga gatggagact gccaagacca gctcttctgt tgagaagagc tacgagctgc 300
ctgacggaca ggtcatcacc attgggtgctg agcgcttcg ctgcctgag gtcctcttcc 360
agccatcctt cattgggatg gaagctgctg gtatccacga gaccacctac aactncatca 420
tgaagtgcga cgt 433

<210> 26593
<211> 420
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-D12
<400> 26593

ggagagcgcc ggcgacgcgc tgctccgcgt taccaaggac gccaacgcct acaagagggt 60
 ggtcaagggc ctcatcgtgc agagcctgct tcgtctgagg gagccggcgc tgggtgctgcg 120
 gtgccgagag gcggaccgga gcctgggtga ggcggtgctg gaggtggcca agaaggagta 180
 cgccgagtag gccaaaggtca acctcccca gatcatcatc gacggcatgg tctacctgcc 240
 gccgcagagg accagccgcg acgcgcacgg gccagcctgc tccggcgggcg tatgtgctcg 300
 cgtcccatga cggcaagatc gtctgcgaca acactctgga ctccaggctc aacgtctact 360
 gcaggcgtaa gcttcatgag atcatgatga aactctgcag ctagcgagta tcgtgctaata 420

<210> 26594
 <211> 127
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-B6

<400> 26594

cccacgcgtc cgaaaaaaaa aaattgcttt aaaaaaaga aaaaaaaga taatgggagg 60
 ggtaaataag gaagaagggc ataaataaat caaacattc gatgtcttcc ttaaaaaaat 120
 atgagggt 127

<210> 26595
 <211> 409
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-035-Q1-K1-B7

<400> 26595

gcctcctgca caccgcgtgc ggcacgccgg cgtatgtcgc ccccgagggt ctcttgaaga 60
 ctggctacga cggcgcgaag gcggacatct ggtcatgtgg cgtgatcctc ttogtgctcc 120
 tggcaggcta cctcccgttc aacgacacca acctgatact ggtgtaccgg aagatcacac 180
 agagcaacta caagtgccca ccgtgggttct ctgtcgaggc gcgcaagctc ctgcgccaggc 240
 tgctagaccc caaccccgagg actaggatct ccatctcaaa ggtcacggca aatccctgggt 300
 tccagaaagg actctgccct ctaccaccg acaagcccct cgacttgtgg gagacctccg 360
 aggtgctcgg caaggaaaaa gcctgcagggt gccgncacca ccagcgcgga 409

<210> 26596
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-B8

<400> 26596

aattgaataa ccatatggct caaggttatg ggagaagga ttacagagat aatgacttga 60
gagttaggcc tgagagaaga cactcaccct atgggaggtt ttcccctgaa agagatatca 120
ggcgtcgttc atttcgtgat aagagacaga gagcaagttc tgaagatagg ggatctagtc 180
attcaagatc acctattagg aagagtga gaaaacatag caaaagtcct gatggtggaa 240
aaaccgattc atccgtaagt tttagaagtt cagataacga agacaaagga aaagatgaaa 300
ggtacttaag cagtgatgag aaaaatggcc gtgaagaaca attgaaacaa atgcatctgg 360
acatggaagc attgcgtgaa gataaatcat agctggaggc gatattggag aagaagactg 420
atgaagagcg caaactttg 439

<210> 26597
<211> 459
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-B9

<400> 26597

gaattcccgg gcggacgcgt gggcggacgc gtgggtgaaa cgtgaccaca aatcaacatt 60
aacattatgg aatgggatta cagatatgcg actagcataa tgaataagtt ccaagattgt 120
gaggcgtcgg tctaataata attacatcgg ttggttttga gatgatccaa agaagaaaga 180
aaatacaaac cagcggatta tatattcgga ggagacttga gagtacgtga gaaagagaga 240
ggttacgaag agtgattata tatataatat atgcatgtta gtcaattggg tcagatgcag 300
gcgagtcctt ttgccaagcc gatggacttg ccgatggcgt tcttgacagac tgccatggtc 360
ttgttgccgg atccattgta cttgatgtcg acgttgacga gctgcacgcc ctggcatggc 420
atgttgttgg cgcagttgaa cgtgatggcc ttcggcgtg 459

<210> 26598
 <211> 407
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-C1

 <400> 26598

 gaggaagaac tcgtggcacg acggcatgcc gggcaccatg tgcccgatcc agcccaacac 60
 caacttcacg taccactggc agcccaagga ccagatcggc agcttcttct actaccccag 120
 caccggcatg cagcggggcg cgggcgcccta cgggctgac agcgtacaca gccgtgacct 180
 gatcccggtc cccttcgaca cgccggccga cgacttccc gagctcgtgg gcgactggta 240
 caccaaggac cacgccgtgc tggccaagaa cctggacgcc ggcaagggga tcggggcgcc 300
 ggcggagctg gtgatcaacg gcaagaacga gaaggacgcg tcgaaccgga ccatgtacaa 360
 cgtggaggcc ggcaagacgt accggtttcg ggtgtgcaac gtgggca 407

<210> 26599
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-C12

 <400> 26599

 cgtcactggg gagttctcca tggccgtggt tcatgccaac cagctcctcg aggaccagag 60
 cgcaagtaga gtccggatcg ctctccctgg ctgaccggg cccacagggc accttcgtcg 120
 gcgtctatga tggccatggc ggcccggaga cgtcccgggt catcaatgac cacctcttca 180
 accatctcag aaggtttgca actgatcaca tgtttatgtc agcggacgtg atccggaaag 240
 ctttccaagc aactgaggag ggctatcttt ctctagtcag caaggaatgg tctttgaagc 300
 ctgagatcgc ttcagtgggc tcctgctgcc ttgttggcgt aatctgtgct gggactctct 360
 atgttgcata cgtgggcaac tcacgtgcag ttctaggaag gctagttaag gcatctggag 420
 aggctgtggc catgc 435

<210> 26600
 <211> 425
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-C2

<400> 26600

ccgactacct catgaagatc ctgactgaac gcggctactc cttcaccacc actgctgagc 60
gggaaattgt cagggacatg aaggagaagc tcgcctacat tgccctggac tacgaccagg 120
agatggagac tgccaagacc agctcttctg ttgagaagag ctacgagctg cctgacggac 180
aggatcatcac cattggtgct gagcgcttcc gctgccctga ggteectctc cagccatcct 240
tcattgggat ggaagctgct ggtatccacg agaccaccta caactccatc atgaagtgcg 300
acgtggatat taggaaggat ctgtatggca acatcgctcct ctccggtggg accactatgt 360
tccctggcat tgctgacagg atgagcaagg aaatcacccg cctggctcct agcagcatga 420
agatc 425

<210> 26601
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C3

<400> 26601

cccacgcgtc cgctctaccc ttccctcgcg ccgccgccac cgcaagagta tctcaactgc 60
gcctcgagac ctccccccct cgctggtctc agccatggtg aaatattcga cggagccgtc 120
caaccccacc aagtccgcta aggccatggg ccgtgacctc cgtgttcact tcaagaacac 180
acgtgagaca gcttttgccc ttaggaagtt gtcactcacc aaggccaaaa gttaccttga 240
ggatgtgatc gccacaagc aggccatccc gttccgcagg tattgtggtg gtgttgggcg 300
cactgctcag gctaagtctc gccactcaaa tggtcaggga cgctggcctg tcaagtctgc 360
taaattcatt ctagaccttc tcaagaatgc agagagcaat gctg 404

<210> 26602
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C4

<400> 26602

accggatcgg attccccggcc agacctaccc gtacgcgccg catccgaacc atgtcttgtg 60

cttgcgagaa cgccagtgtg accgaccga cgaagggaac agcgcaggtc acgcacagcc 120

agatgatcca tgggtgctact gctaactaca ctgatgctgc agacctgaag tggcgctctt 180

gccggacaac tgacgacctg catatgcaga actgttttcg ttatcgtgct gtttcatgga 240

gcctgcgctg gtctgaatcc tctgcagca ctggcaccat ctcatactct gaccggtctt 300

cctcctccag ttatacgtcc accacaaggc tctccactg cttaggttct tggacgacaa 360

agacggccac atctaactcg tgcacacgct gtgacagctt gacc 404

<210> 26603

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C5

<400> 26603

atgggccttc accaacagga aggatccacc aaggagtttg ttcaacatgg atgaagaata 60

caattcctct ggaatatagc gaagaatgca gctgggctcc catctttgtg aggcagtcaa 120

atttcaagtt acctgctgat ccgtccactc ctattatcat gattggctct gggacagggc 180

tggctccttt tagaggcttc ttgcaggaaa ggtagcatt gaaacaatct ggggcagaat 240

tgggcacttc aatccttttc tttggatgca ggaaccgtaa tatggactac atatatgaag 300

atgagttgca aactttcctt gaggaggggg cgctttctga gctaattggt gcattctctc 360

gggaagggcc aacgaaagaa tatgtgcagc ataagatggt ggaaaaggcc acagatattt 420

ggaacatca 429

<210> 26604

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C6

<400> 26604

accacgcgt gcgcccacgc atccgtatct ttctgtcat agaaagaacg acagaaagaa 60

agaaagagag acggaacgaa agaaagtcgc acatcgcttg atgatgcatt gttcaagagc 120
 tcactacatt aatgcgctga catgtatggt gcttctgctg gacaaatggg agcaagatat 180
 cctgacatgt ttctggttct cctgctgctt catggagcca gtgctgcttt gaatcctcca 240
 acagcacggc caaaatggca tactctgagc ggtcttcctc ctcaagtcac acctcgagga 300
 cgattctctg cgaccgcata ggcttctgta agacaaggct gacccttgat aactcgacga 360
 ctcgctctga gatcttgccc aagatggaca ggacgtacaa tctgtaagga gaggatgtcc 420
 tactat 426

<210> 26605
 <211> 166
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C7

<400> 26605

cccacgcgtc cggcgacgct tgccgaaata gtgtaccaca ggtgcgaaac caacactgca 60
 gcagacagaa tgactgcatt ttcctgacct gaataatacg ttgattgtgc gtagtaaagc 120
 tgtgacatcc atcgttgaac agtaccgatc agacaaccgg acagga 166

<210> 26606
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C9

<400> 26606

cccacgcgtc cgccacctcc atccgtgcgc ctctcgctct cgctgggtggt gctcctgctg 60
 gtgctcctgc tcccggggcg ggcggcctcc ttttccacct cctgctggtg ccagggccgg 120
 gagggcgtcg cggaggtggc gcgcatgggg ctgcgcgggg acgggtcggc ggacaccgcc 180
 cacctcagta ataataaaaa tgggcggttc atttatggag ttgcgagttc tcctggtaaa 240
 agagcatcga tggaggactt ctatgaggca agaataagacg acgttgatgg agagaaaatt 300
 ggaatgttcg gtgtatatga tggatcatga ggagtccgag cagctgagta tgttaagcag 360
 caccttttca gcaatttaac caaacaccca aagttcatca ctgataccaa ggctgctatc 420

gccgaaactt ac

432

<210> 26607

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D1

<400> 26607

gaaaaaatct acgtccagtt catccaatgt gcagattgag gaaagcaggg aagcaagaca 60

gaaattctca aaagcgaaat caattttcttc ctctcagttt tttggtgac aggccagttt 120

tgaaaaggac gctcaagtct ctctccaaaa gttttctggt tcctctgcga tatcaagtgc 180

tgacctatct ggccatccgg caaacaattc tagcgtggat ctcagtgcct cagatttgat 240

caacagaatc tcgttccagg ccactcagga tctgtcttct atcaagaaca tggcagggga 300

aaccgggaaa aagttgacat cgatggcatc caacatcatc actgatcttc aggaccgtat 360

cctctgagct ttaaaactcac agtaaaacttc tgcgttggtt cagtggctgg cttctcccgt 420

cgacccgggt gac 433

<210> 26608

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D10

<400> 26608

cgtcggtcca cgcgtccgga cctgttcttg aggcgtgttg ttctcaagat ctagttttcc 60

aaccgggggg agtctccaga agttcgctcg gcggcatcgc tttcttggtg agcatgggtgc 120

atgtcaagat ccactcattg tttcagggtc actctttcct cagtgtctaca ttctacctga 180

gatgtatcaa gattcgctac acaatttttt tcttcccaac tggacagatt ggcaaccttg 240

cagatactcg taatcggact ctgcatgggtg tttgaagggt tcacagctgt ttcattggggc 300

atcaagcccc ccgttatgcc agataaccaa cacgaacagt tttgactctt taatcattca 360

tttctggtga gaatgcaccg caaatct 387

<210> 26609

<211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-D11

 <400> 26609

 cgccccgacc gatcgcgctcc gggctgttct tcaatcaaga aaacgtctcg ttttgataac 60
 tatacaatct gcatgtgggg aagtcctca tatctgcttc gggcagagct atgcatacaa 120
 gtgggtggacg cctgctggta aattgtttat caagatcgct cgagcatata aatttactcc 180
 tattatcttc taggatagat ttggcacacc attccccttc ccaaaaccca tgcatgtgat 240
 cttgggtaaa ccaatcgaag tcaataagat tcccatact acaatcgacg agacaattgc 300
 aacagtatgc atgttcttgg cgggaaaagt tgaacaaaca cccaaacctc tgaaagatgt 360
 catacttctt tcatatgaga tcatccacaa aaa 393

<210> 26610
 <211> 429
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-035-Q1-K1-B5

 <400> 26610

 ggaagaaaga cctcgtcagc agcgcgctgt accagccgct ggagaaggag ggccagcagc 60
 cgccgccgca ggaagagcag ccgcagctgg agccccccgt gtcggccttc atggagatga 120
 cgacggagga ggagcggcgg aggggcgacg ccgggtgctg ctgctgcggc tgctgctggc 180
 tcgattactc ttggtgctgc cggtgcccgt ggtggcgatg cggctgttgc atctgctcct 240
 gccccagctt ctgccggtgc ggctggtgca catgagagat ccaggagtgt gcgggagatc 300
 acttgttgcc cggaacttca tttggtctca cgagaacgag atccgcgtcg cgcgcacctn 360
 ctgcttggtg tttcggagga ttattcggca gacagggttt ggcgttggca tgtgcacgtc 420
 agctgacac 429

<210> 26611
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A7

<400> 26611

gatgcccaacc aaaccaatcc attactgccc gcttaatcaa agtcaggata tccgacgggg 60
cggcggtga ttctatctc atattctcag agcagtaaac taccagcagt aaaataacaa 120
aggtagcagg tagtacaagg cgaaggcgaa ggcaatctg gaacgagctc gtgcaccgcc 180
tcgagccctc gactactcgc cacgtgtcgc gagcaggccc accaggacct ggggtggagcc 240
ggtgcaggag acgagggcaa gatgcggagt accagtgcta ctgctcggct ctccattaaa 300
aagcagtaaa aaaaatcggg taccagaggt ccagaacaag tcgtacactc gtactacagt 360
ctacagtcac ggcgcgaca gcaaacggcg cgggtcgcca cattatctga tccccgcccc 420
ggtctcggca c 431

<210> 26612

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B8

<400> 26612

gcggtgctg gcggaggccg actgcctgcc caactccacc gtgtgcagcg accacgacag 60
gcacgtgttc tgggaccggt accaaccggc ccagcgcgcg tgcaacctta cggcccgtgc 120
gttctacgac gggccggcca agtacacgac gccatcaac ttcataaagc tggcccaggc 180
cagttaatgg tttctgtatg gctgtccacg aatacttact agccacgaat acctgtgaaa 240
acagcaaac aaaaaatggg caccgttggc cattatacat ggaaacttgt taatttaaaa 300
aatagaatgt ttctatctgt ttaat 325

<210> 26613

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D6

<400> 26613

cccacgcgtc cgtacgttcg ccgcgtaacg cgcgaacgtg ccactctgac gtgcgtttgt 60

ctccccctg gcttgcaggg tggggcacga acgaggcgct catcatctcc atcctcggcc 120
accgcgacgc cgcgcagcgc cgcgccatcc gccgcgctta cgccgaggcc tacggcgagg 180
agctcctccg ctccatcacg gacgagatct ccggcgactt cgagagggcc gtgatcctgt 240
ggacgctgga cccagcggag cgcgacgcgg tgctggccaa cgaggcggcg cggaagtgga 300
agccccggaa ccgtgtgctc gtcgagatcg cctggacgcg caactgcggg cagatcttcg 360
cgaccaggca ggcttatcac gagcggttca agcgtcgcgt tgaagaagac atcggtgccg 420
atgtcactgg ggac 434

<210> 26614
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E12

<400> 26614

tacatcacag acaatgaata ccaagaagaa tgttgttctt tgctgccttc ttttcgtgct 60
cgttctgcat gcagatcacg ctctagccaa gtgtggctat acaactcctt taattccatt 120
ctgcaaagcg tggatgtgca aggcggagtg ttggacggag gctaagttaa ctggaggcaa 180
agtcacgcaa cagaagtgca tgagaggtgg gatcaagggc tgggtgttact gcgaattctg 240
catttaattt tgcaaaggag aaggatcacc atttctttgc ttgggtcttgc cttgggtcaat 300
aacttagtgt aataatgcta gttaagtctc taggcagact aggetagatc gagttgtttg 360
ttgctggtag ctaggcattg ctagcgtctg ctattggttt aagata 406

<210> 26615
<211> 279
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F6

<400> 26615

gactatcgcc agcaaagggg gagcgccgag gtgagagaga taatgcggtg gtggtgctca 60
tggtcgaatg aatgggggtg tcgggctatg ctcgtttgac gtctgatcg aatcaaacc 120
tttcaccgtt ggttgccctca tgccgtggtc tgggaagtcg atgactggtc atcatggcag 180

gaggccccga ccgaccgtgc aatcgtgtgc ctacgctttg gctgtgcgcc aatgaaatca 240
cggaatcttt ggatccaatt cggcatcaca gtagaccag 279

<210> 26616
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G1

<400> 26616

agaacaaaa ctgtgtttct tgaattataa atattccacc tcaattcgcc tccccgtttc 60
cgagacaaaa ttaacgcac tctacaggaa ataacgatgt gagatggcca aagcaaaaca 120
aacttaactc atcagttatt gtcgcgcgag agcgcgctcg cgggcatggg catgcgaacg 180
ttagcagcgg cgacaaacga tgcgagggcc caaaacgccc ggctctctgt tgcgtccgt 240
ggagaaggag atcgatcaga tcatgttggg gagcgagcgg cagttctcgg acatctcgac 300
gagcgacgcg tcgaactgct ccatgggggt cttttcgcca atctgcctga actgctcgtc 360
gcagttctgc atgttctgcg ccgtcatgcc catgggtg 397

<210> 26617
<211> 275
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G8

<400> 26617

aagcataccg ataggtgaac cagcagcctg caataagggc caggacatcc aaataaaacc 60
gagagacctc agccctcagg caagccgacc gccgacgtac caccgcgcca acccgagaga 120
aagatggaga tgatcaagag gatcctcatc ggcgcgctcc tgggactcgc cggctcggcc 180
accgaagtgc tggcctacac cgaggccgcc gtcgtcggtg caccagccgc atccgagtat 240
acacggtcag tcgaagccgc cgctggcgcc gcctg 275

<210> 26618
<211> 195
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H10

<400> 26618

tcgaaaaatc gcacaattag tgacttttat tcatattgca gattaacgac agaggttcag 60
tctcgattca gaatcctgat cttgaatttc tgttgtgcat cgaaatttat cctgaacagt 120
acacactgta attctgaagt acaggcaagc gagtggctaa atgtatctga tacttgaaag 180
cagagaagac tgaac 195

<210> 26619

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H3

<400> 26619

aaatcggcct acgcccacgg ttccacctcc tcgtccacga ggtgaggaaa ccctagcgac 60
cgaccatggc gttgctcccg cgcaccgcgc ggctggccct cctttccacc ccgcgggcgt 120
actccgctgc cgctgctgcg ggcgcctccc cgacgtcccc agcgccatac gggggcgccc 180
ccccaccggc gatgtogaag acggccgagt tcgtgggtctc taagggtggac gacctgatga 240
actgggcgcg taagggtcgc atctggccca tgaccttcgg gctcgcctgc tgcgcggtgg 300
agatgatgca cgccggcgcg tcccgtacg acttcgaccg gtteggcgctc atcttcgctc 360
cgtcggcgcg ccagtcggat tgcattgatc tcgcccggcac gctcaccaac aagatggctc 420
cgccctccg caaggtttat gaccaaagtc ctgagcct 458

<210> 26620

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H5

<400> 26620

gcacacgcta gcgaagaact gttgaagctg tatcccgggtg gataggggac ctccgcgacc 60
gttggcctga gtcgagttgt cacagtctgt atctatcgct cctgaaacct gaggggcctg 120
tattgtttgt caagcacttt gtttcttctc ttctgtttgt agcctactat atccactgaa 180

atctaagggg cctgtattgt ttgtcaaaaa taaaacctac taaaacact

229

<210> 26621

<211> 418

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-D12

<400> 26621

tatcaccctc gaggtggagt cgtctgacac cattgacaac gttaaggcca agatccagga 60

caaggagggc atccccccag accagcagcg gctcatcttc gctggcaaac agcttgagga 120

cgggcgcacg cttgctgact acaacatcca gaaggagagc accctccacc ttgtgctccg 180

cctcagggga ggcatgcaga tctttgtgaa aaccctgacc ggcaagacta tcaccctcga 240

ggtggagtcc tctgacacca ttgacaacgt caaggccaag atccaggaca aggagggcat 300

ccctccagac cagcagcggc tcctctttgc tgggaagcag cttgaggacg ggcgcacgct 360

tgccgactac aacatccaga aggagagcac cctncacttg gtgctgcgcc tcagggga 418

<210> 26622

<211> 168

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E5

<400> 26622

tacatcacag acaatgaata ccaagaagaa tgttgttctt tgctgccttc tgtgcgtgct 60

cgttctgcat gcagatcacg ctctagccaa gtgtggctat acaactcctt taattccatt 120

ctgcatagcg tggatgtgca aggcggagtg ttggacggaa gctaagtt 168

<210> 26623

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G12

<400> 26623

gaataat tttt actaatcaga ttcttggttg gatatat tcc tccaattccc ctctctctcc 60
caacaaggca acaacaatct gttccggccg ccaaacaaaa ccaaaaaaaaa aacacactga 120
accaataat ccgatccac agaaactttt ctctcggtcc gttcgatcga tcgctgccgt 180
gtcgtttgcc agacaccatc agcacccaaa accatggcct gcaacctggc tcagtgcgcc 240
accgccgccg cggcgaccgt cgcgccccgc acccctcgcc ctgctgcgtc cgcgtccgtc 300
tccttctccg cgaggaagcc ggcggggcgc agcctgcggc tgcagcggca ggcgtgctgc 360
gagccgtc 368

<210> 26624
<211> 96
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-C10
<400> 26624

gacgcctgat gaggctacta gcaaacaaca ccatgtgttc ggattgtcat tggttattga 60
tgtcttgtga atgaataata taaat tttttt ttggtc 96

<210> 26625
<211> 377
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-E9
<400> 26625

cccacgcgtc cgtatggcta gttcgtggat ggcggcgcca cgacctctcc tgttgtcgct 60
gctggtcgcc atgctagcgg tggccgccga tgtegccaac gccggccacg ccaagcccct 120
gacgcctggc gggcgcgtag tacacgacaa ccacggcaag ttcacggccg ggccgtggaa 180
accagcccac gcgaccttct acggcgggag ggcgggggtc ggcaccacgg cgggcgcgtg 240
cgggtacaag gacacgcgcg cgcaggggta cggcgtgcaa acggtggccg tgagcacggc 300
gttgtttggc gacggcgcgg cctgcggcgg gtgctaccaa gtgcagtgcc tggacagccc 360
caacgggtgc aagcccg 377

<210> 26626

<211> 238
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-G2

 <400> 26626

 cagactgcga gcgccttcgc gccgagctcc gccggatgcc gccgccaaac ggccgagccg 60
 tgctgctctt ccgcaatccc gtgtggctgc tctgcacttc ttgatgcatt tttgttgaca 120
 tggtttgcgt ttcattcaaa cttagaatgc ttcttaattt cttttcgttg cattgaaaat 180
 atccagcggg ttattgggtg ttgggctaataaatagataa actgttcacc tatgggttc 238

<210> 26627
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-B4

 <400> 26627

 taatgaatca gtccttgac acgaacccgg agaccaggat cacggtggct cagataatgt 60
 gagagcaggt ggtttaagaa agggttccgg ccggtcaggt tctacgtcga ggatgaccaa 120
 gtgcacagct tggcagacag tgaggctgag gcgctggaag aactggggcc cagtgcagct 180
 gagccttcac cccacctcc cctcccccg ccaccaccac caccacagaa agaggacgac 240
 gccgatgatt ctggctggga gtcagactcc tccgtagcgt cctgccagc cacattgtca 300
 tcagaggaga ggagacggcc tgtcggatct cttccacggc cggtaagtct aaacgcgttc 360
 gatatcatct cgttctcaag gggattcaat ctgtcggggg tgttcgagga gcgaggcaat 420
 gaagtgag 428

<210> 26628
 <211> 338
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-004-Q1-K1-D5

 <400> 26628

 cccacgcgtt cggaaggccc gcccgatgcc acggccacgg ccacgctggc tgcttaacgg 60

accattgtgc cattgttgct gtgagagaga tgtgcgtcag ccaacatgtg tgctattgct 120
 ttggcttatt tgtgttcaga atccacttaa actcggtcga agtgagcttt ccgttcggca 180
 acgtctgtac tcttacgaat ctcgatcgtg tatgtcttta agtatttgtg tgtgtttcaa 240
 agataaaaaa aggtgacctt tgtgtatgat tttttataca cgttgtctct tagctgcatt 300
 gatagtctaa agtctcagaa ttgtaccatg canaaaaa 338

<210> 26629
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D7

<400> 26629

cccacgcgtc cgtatggcta gttcgtggat ggcggcgcca cgacctctcc tgttgctcgt 60
 gctggtcgcc atgctagcgg tggccgccga tgtcgccaac gccggccacg ccaagcccct 120
 gacgcctggc gggcgcggtg tacacgacaa ccacggcaag ttcacggccg ggccgtggaa 180
 accagcccac gcgaccttct acggcgggcg ggacgggtcc ggcaccacgg cgggcgcgtg 240
 cgggtacaag gacacgcgcg cgcaggggta cggcgtgcag acgggtggccg tgagcacggg 300
 gttgtttggc gacggcgcgg cctgcggcgg gtgctacgag gtgcgggtgcg tggacagccc 360
 cagcgggtgc aagcccgcg cggcggcgct ggtggtgacg gcgaccgacc tgtgcccacc 420
 c 421

<210> 26630
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A7

<400> 26630

ggattgtggg cgagtgcgtg cgttcgtgca gccagagaca ggcgtccggg caccatgtct 60
 ttcaccggca cgcaggacaa gtgcacggcg tgcgacaaga ccgtccactt catcgacctc 120
 ctcacggccg acggcgccat ctaccataag acatgcttca agtgcagcca ctgcaaaggg 180
 gtcctctcga tgtgcagcta ctctccatg gacgggtgtg tgtactgcaa gaccacttc 240

gagcagctct tcaaggagac cgggagcttc toccaagaact tcacgccagg tggcaagtca 300
 tcagacaagg gtgaactgac aaggggcccca agcaagctgt cgtctgcatt ttctggtacc 360
 caggataagt gcgcagcatg ccagaaaaca gtgtaccgcg tggagaagtt tactctggaa 420
 agccagtcct accacaagag ctg 443

<210> 26631
 <211> 408
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-B2

<400> 26631

cccacgcgtc cgccgtgctc agatgagcat tgctcaagcc taataatggg gatcgatatg 60
 ggccatgacc agtgtgatgt gctgctctat atatgggcca tgatctgtgg tcaccagagt 120
 gtttgttcac agatttgaaa aacaacaagc aaaacccaaa cacacatgca gcggacgcgt 180
 gggctgtcag cataagagac gaaacgtccg tgcgctatgt gccgctcact agcaaggacg 240
 ccagttgca cgcaagctga gtgatctatc atgtcaaaaa aaaaagttat cctcacctga 300
 caaggtgagg cattcaatcg aatcgctacc cttgtaaatag tattaatcct actgtctcag 360
 taaatgcgct ggcttggaataa taatgtaaata gatggaacat caaanaaaa 408

<210> 26632
 <211> 145
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-E4

<400> 26632

tgataacatg catcatgcat gcatattcat tctttcgctc atgcattccg atatggtgcc 60
 ggagttaaaa aaatgtaaata caatgtgcaa actcaaatga catcttaacc agttgtgatc 120
 aatctcaacc gctaataatg tgcac 145

<210> 26633
 <211> 438
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-G6

<400> 26633

gcgcacgcgt tcgggccacg ccgatgtgta ccatgacgtg atcctccgc gcgtccatgg 60
cggttcggct tcgagatcaa ggaggtgggc atgaccagcc gctacgcgtc cgctgaggat 120
ctgcaccaga tggacagcga ccaggaagag ggtgctgagg gtggcgatga cggtgacagc 180
agttgccac acgccatcga catgcaggcg gaggagtcca tcaccaagtt ctatgagcag 240
ttcaagtcag aatcggtcaa cgccgtgcc ttcgagtgat ccattgatcc atccgcttgc 300
ggcatgtatg taatcgttct gatcttacac cgaaattgca ttcgtgtcag agacgactct 360
accaatatg gatcaggaag aaatgtatca gtgatcgcat cgataaaaaa aaaanaacan 420
nnnaaaaaaa aaaagaaa 438

<210> 26634

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H2

<400> 26634

cccacgcgtt ctccgacacc ttaactaact tttaataaat agttcgtgaa tccctgaagc 60
gggcatatat atattcgtgc caagataaag gtaatggagt cgtcacgcag gttccagccg 120
gccgtcatcc tgcttctcct gtcattgtg tccaccgata tgacacaggc aagggaatgc 180
tagaagtaca gtgagcgatt tgttggcgca tgcattgatc cagacaactg cgccaatgtg 240
tgccgctgtg agggcttatt ggccggcagg tgcaacacct tacgccgacg ctgcatctgc 300
actatgcagt gctaaacaag atcgctcgat cgctcgccat gcatcgacaa cctattctta 360
atacacgtca ttatctcgta cttatttatg acgaatgtca tgtatggctc tgggtgactgt 420
catctatatt ctaatgactg tcatgtatct tggt 454

<210> 26635

<211> 56

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H4

<400> 26635

gtgggaaaaa aaaaaaaaaa aaattaaaaa aaaaaaaaaa aaaaaaaaaa aaagag 56

<210> 26636

<211> 342

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E5

<400> 26636

atcttttttt taatcaaggc ttataaata aaaaaataga atagtacacc ataacaacat 60

acaacagctt tgcctcgatc gagagcatgc atgaatcaca ggcgtcgctc aatcaaaaga 120

aaggaagaaa caaatgatg tgtgggggtg gggtttggtg catggcgcgc gctgttaaaa 180

ttcgacacag gacagttgct taaatagacc tagcgtaatc agctgcacaa acgaatgaga 240

gagcgagcga gggaagcaaa atctgggtga ggagatgaat agatgatgac aggagcgcaa 300

cgcggcctgg cagactgggc ctatgcagta tggacctggt tc 342

<210> 26637

<211> 314

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E8

<400> 26637

gcctgtggag cgtcagcgct ggcgtcatca acggcgctct tggtagcaag tgcagacctc 60

aaaatgcaac gtcacgaag ttggatatct acatagagga catccagaaa gggaaacatg 120

gaagcgattc agggtcatac gacgccgaag gaaggtttgt tcctgacaag ttcgaagaga 180

tattcgccaa gcacgccaa actgtccccg acgcctgac gtcggacgag atcgaccagc 240

tgctgcaggc gaacagagag cccggggact acagcggatg ggctggcgca gaagcggagt 300

ggaagaccct ttac 314

<210> 26638

<211> 401

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-E9

 <400> 26638

 acggcttctt ccacgtggtg aacaacgact acacgcactg gctcatgtac gccatcggcg 60
 ggagccggaa cccaccatc atcagccagg gcaaccgctt ccgcgccgtc gacgacagca 120
 ggttcaagga ggtgaccaag cgggagtaca cgcagtacag cgagtacaag aactgggtgt 180
 ggaagtgcga ggacgacctg ttcctcaacg gcgccttctt caaccagtcc ggcggccaga 240
 acgagcgcaa gtacgacagg ctgcacctca tccaggccaa gggcggccag tacgccgagt 300
 cgctcaccag gtacgccggc gcgctcaact gccgcgtcgg caggaagtgc tagtgcggtg 360
 gcagctctaa gctgcagctt tcatcattgg cgatcgatcg t 401

<210> 26639
 <211> 406
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-F8

 <400> 26639

 tatgccgcta aatataggca ctataggtat attattatcc cacaacgaat gatcctgaga 60
 aagatccatc ctaattcaga catctcaact agatgcaaac ttttttgggg aaaccgaaca 120
 attggtttta ttcctctgag ctcttttgaa catattgcaa tgtatctcct ttgaacagtt 180
 gttccttttt attcctttga ggagctaagt acccttttat tcctttgttt atgtttatgt 240
 tgtaagtata tttgaaatat gatttgtgct ggagatattt attaaattat ctattgtttt 300
 atcttccagg cccaacgatt gtggttcagc tctgtttatc aactcccttt cgagaagaga 360
 tggccaccgg caggaacaac ttatcgacat tagtggccat gggaca 406

<210> 26640
 <211> 60
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-H4

 <400> 26640

cggacgcgtg ggaaaaaaaa aaaaaaataa aaataaaaaa aatatcataa gttcaaaaga 60

<210> 26641
<211> 350
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-C12

<400> 26641

cccacgcgtc cgcggacgcg tgggccggct caggaacgtc gagagcgggg agatacaggt 60

gcagctgcag tgggtgaact tccctcctgg tcctgctcct gctgctgcaa caaccaggtg 120

acctgatcga tggtagctgc tgttcctgtc gccattgcct cctgctggca ggaacaggaa 180

ctctctgaag cacgggggtca gggtagttca tgttgcttcg attcgatcgt aggggagata 240

atgccggatg gcgctgctca tgctttgtaa agtttgggag gacatgcac ataattgaag 300

tcaagtgata ggatcctggt ttttaagtac acgatacaac acanaanaaa 350

<210> 26642
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C6

<400> 26642

gttatgctgg agcaggatta tatgatagtg taccgatgga tgaggaggat gaggttgtgc 60

gggattatac aactgaccct cttatagtag accgtggatt ccgaagctca atcctctcaa 120

gcatagcacg ggctggccat gccatctagg agctatatgg ttctcctcag gacgtcgagg 180

gagtagtgaa tgatggaaaa atctatgtag tccagacaag accacagatg tagtatgtat 240

gcatctatta gacagctcaa taagcactgt tgtacgcttg tatggttggg acatatgggc 300

gttatggcat gtatagttgt atgcctagat gtacatcacg tgtactcgta tatatatata 360

taaatgctga aacacgcatt ggtccaaaag tgtaagcaat ccaag 405

<210> 26643
<211> 410
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D11

<400> 26643

tagcaactca atttacagaa ctttgagttg ctaccggaga tgtacagccc cggtttttgg 60
ttgggttaatc cagatctttg ggaataactc tcgaaaccga ataaactttg gatacagaga 120
tgccagtttt caggtgcctg cactatttga cattaatggt gcacctatgg ttccgaacag 180
aggaacagtt gaattctctg gaggggctga agcctgcact tgtgcagttg agattatata 240
atcgcgctga tttatttttg aacctgtatt cagctggtgt tgaggcattt gtttctgagg 300
tgaaatgaac tctccatgcc caacaactga aactaaagac gacacgataa ggtgcctgac 360
ctgaaccggc acatttctctg tggtcaggtt taatcatata tatgtagctg 410

<210> 26644

<211> 267

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D7

<400> 26644

cccacacatc ctaccactcc tacgtagatg ttcaccagca tacctcaata cattccatct 60
gatcgcaatt aaaatgggtga gacctattc tatatacatt ctcatactca tcttctactc 120
gttcatcaac attatcattc tcatttcata catttatattg accatatata ccttctacta 180
tcttcacatc tctcattttt acaagcgcac gattatccat actctgaata atatctccta 240
tcattctact tattatcaga ctatctc 267

<210> 26645

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-G8

<400> 26645

accggtctag aaccgggtcg acggacgct cgggagcaag gagagcgccg gcgaccggg 60
gcatacatca gctactggaa attagagagc cgggtcggtt ggtcggagaa cctgcgagga 120

aggactaagg agtcgaagat gactgcgggcgt gtgctgtccg tgcgcacgac gacgacgtcg 180
ctgctagcag cagtcatect gtgcctctgc atcgctctccc tctccccccg cggcgccgct 240
gccgcgcggg tctccccccg cgccagcccg atcggtggcca cctgcatgac gggcccgtag 300
ccggagctgt gcgtggggga gctgggacag cggctgctgg acgtgcagac gtcgatcgcg 360
tccgcggcgc ccgaccagcg cgcgccagcg atcgcgggcg 400

<210> 26646
<211> 329
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H12

<400> 26646

atcttggccg cttcgacaag gactccccga tcagggccat cgacttcggc ctctgctct 60
ccttcaagga gggcgagccg ctcatggaca tcgtcggcag cgtctactac attgcgccc 120
atgtgctcag gacgacgtac gggcacaagg ccgacatctg gagcgtgggc gacatactct 180
acataattct cgccggcggtg cctcctttct gggcagagaa cgagaacggc atctataccg 240
acatcctgcg aggggaagctt gacctctccg gagagccatg gccgtacatc tcgttgggag 300
ccaaggacct catgatgaag atgctcagc 329

<210> 26647
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H8

<400> 26647

agctaacaat gctcacttag acgtaggggt ggtaatggat tgtgatccat atggttcttc 60
acaaaatgtc aaggcactta ataaattata gttcaaaaat gactaaaaat agagccta 120
cttaaccgga ttcgatactt aaattttata gtgcaaaatt tatagcccat tgcagccag 180
ttggacgttg atggttggca cttgcagagc tagcaaaata taatagtact actagtgtga 240
aaggagggcc ttgtggcact ggcagctccg gcactgcttc tccggtgcgt tgctgctatc 300
gccgttcttg gcgtctaagt accatccgga gagcgtgtcg aagaggatgc ccgcgccaac 360

gccaacagcc aggtcaatgg tgtagtgt

388

<210> 26648

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B2

<400> 26648

taccctcgtc gtggtctcac tcaccccgcc ttcacgcctc cctcaccaaa taagggtccg 60

cccttttccg acattcacag gggggacagg aaatcagcgg ccatggcctc gattccggcg 120

acgaccttcg cgtcatctt atccgtcctc ttctgtgccg cggctggcac cgccgtcgac 180

aacgacctcc ccgactacgt catccagggc cgcgtctact gcgacacctg ccgcgccggg 240

ttcgtgacca atgtcaccga gtacatcgcg ggcgccaagg tgaggctgga gtgcaagcac 300

ttcggcaccg gcaagctcga gcgctccatc gacggggtga ccgacgcgaa cggcacgtac 360

acgatcgagc 370

<210> 26649

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C12

<400> 26649

gctcatgctc tcggtggga ccgacgccg tggccctgcg gcgtcacgaa tccatgggcg 60

aactggggcc ccgactccga ggatgctgag cccgccccgg ctgcctacgt cgaccctcc 120

tcccgcctcc actccggcgg cacgtgcctc aaggccggcg cctccctcag ctcgccccc 180

acgcccacca agccgacctg gccatcgac ccggtcctgg cacagcccat ggaggacgtg 240

cgcaccatat acaccgtgcc caacgagctc ggacgcggcc agttctgcat caccagcctg 300

cgcacgcaca aggacaccat ggactcatgc gcgtgcatga ccatcgtaa gcataagctg 360

tccacca 367

<210> 26650

<211> 405

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-008-Q1-K1-E5

<400> 26650

gcagtgcgcc acggctgctg gtctcggcgg acgagcagaa tttggaccgt cgtgntgtga 60

gagcgggagg agtacctgca tacgatggcg tgtgctgact gccgtgcggc agctggcgct 120

gctgcatagt cgtggcgcat agcggagggg cgtatgtcgc aactaccggc gatcaacggg 180

actacaatgg cgatgagatg ctgaaacgcg cgcgtgatgg ctgctgcgg catatgacgt 240

ttgggctagc atggtgcgcg gaggatatga ttcaagcggg cgagctgcgc taggactatc 300

accgggtcca tgtacatatt ccggcttctg cagcgcgaga acgattgtat gatccgcgtc 360

agcacgctga ccaaaaaaat gggtttaagc ctttcaaagg gttat 405

<210> 26651

<211> 184

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F12

<400> 26651

cgatctgcct acttttaagc acgggctttt tcttgtcttc cctgtaacta taatataaga 60

atgtgtatta tatacaagac gatacaacc tgcgggtggt ggatcatgttc ctaacctttt 120

tgcacactcc acttgctggt tgcaatatgc ctgcttccag atgcagaaag acattgaacc 180

tgac 184

<210> 26652

<211> 319

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F4

<400> 26652

cccacgcgtc cgagtgaact tgagctacag gagctcattg gcagtaggat accggattct 60

cagattgtag aaaatctgga aaaagatctg gtcctagaaa aagatctggt cttagatgat 120

gttgatgccg atgatgccat gagagactag cttcgcctgt ttgtttgtta ctaaataagac 180

agaacttgag agtttcacaa ctttaattgtc aaaaacatat tgccttataa tttacacttt 240
 attttcctca cttatgtaca tattcatacc atagtatatgt aatatctgtt gaagtcgtca 300
 aaaaaaaaaa aaaaaaata 319

<210> 26653
 <211> 439
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-F9
 <400> 26653

ggattccggg tcgaggcacg cgtccggcca cgcgtccgcc cacgcgtccg cccacgcgtc 60
 cgcccacgcg tccggattac catgagcagc gggccctggg acccggttcc gctgggtgcg 120
 atggactccc tgtegtcgtc gtccacggcg cccgacgtgg agctgacgct cgccaacttc 180
 accgtggacc gcctcataca gatgttcggc gccaaagggg tcacggttca agagctgggt 240
 tcgctggacg gcgcccacac gctgggcttc tcccactgca aggagttcag cgaccgtctc 300
 tacaacttca gcaaccacgg cggcaagccg aagcagttct accccagcat gaaccggttc 360
 tacgccaggg ggctgcacga cttgtgcacg gactacctca aggacccac catcgtcgcg 420
 tttaacgaca tcatgacgc 439

<210> 26654
 <211> 382
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-G7
 <400> 26654

aagccccaca cacacaaaag caaaaagcat catcacaata atggcccgcg cgtgtgtgtt 60
 cctcgtgggtg ctctctctgg ccgccgtcgc ggtggcgccg ttgcgggggg ctgcgcgtgt 120
 ggatgtcgtg gagggcaggt ccatggcgtc cgccgacgcg cctgaggcgg cggctgacgc 180
 gcccgctccc ggtcccgact ccgcctcatc cccggactcg ccgtcggagg cgccctccag 240
 cagcagctca tccgactagc cgcgcacaaac gcagttcttg tcatgatcta tctagcaaata 300
 aaaaagatca tatgtctcgg ttgattctct ggaataacta atagtatata tgctgcgccc 360

ggatgatata taaatatgtg ca

382

<210> 26655

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H1

<400> 26655

gacagaaatt gcgattgcac ataacacaaa aatcagctaa taatcaagaa agcaaacagg 60

aaaagccaaa agaaaaacgt acgtctagac aacaggatgg aagaatcaaa gcccaacttca 120

ccgcacaccg gagctagcta gagcctggta caccagagtg gtaagcggcc ggggccggcc 180

ggccacggag aggatctcct cgccacacga cgacacctat gatatatcta ggctaggggc 240

tgcagggcctt ggggaactgg tagccaacgt acttggccct ggcgttctcg cacttggccg 300

atgtggcacc ctggccct 318

<210> 26656

<211> 69

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A1

<400> 26656

cagcaccatg gcccgatatct tgtaaatatg tatatgtcta tttcatatct attttttagtg 60

atggcttat 69

<210> 26657

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A5

<400> 26657

gtatcttcgg taaaaattat agcagtgcaa atcatagcac attctgtagg tgtaggatac 60

agtaacacag cagcagaaca tcaaaccat ctctgccag gctctgagca aacgccaaag 120

cctccaacgt ggcacctagc taccgtaccc cagtcacca cccacaccc tacctcgctc 180

gcagtcgcag cttccgctgt acgcacacta ctgcgcggtg cacgcaccga cgacacggcg 240
 gcgcagctta tgtatgagta agtataggga ctcgccatac aggtagtcac cgcagcgtgc 300
 caccocgtct agcgatcgaa cacagtcgac ggggaacgcc ggccgggtccg gtcagttggt 360
 gagcg 365

<210> 26658
 <211> 381
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-C5
 <400> 26658

atcaaaagta ggtgntgttt ctcgtagcca tgagacccat caaatcaaat taatgaagca 60
 cccatcaaca attagcaaga ccgatgaact agcaaggctt cttgcagaag cacttgcgca 120
 tggccacgtc ccgcttgac tgcgccaccg gaaagctctc cttcatgcac acctcggcgc 180
 atctgtcgct gttgaagcag aagccctcga actggagact cggcgataag cattgactct 240
 cttccttctc cgtgcttttc tgctccttct tctccttctc ctgctgtttc gctttctcca 300
 ttatcaaggc atgcatgggc atggctactc ccattttggc atcgatgggt cccacctctg 360
 ctgcgacgag gaggagaaac a 381

<210> 26659
 <211> 388
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-E7
 <400> 26659

aattcaacga caaagcagac cggatccaca acgccatcct ccagaccatc gccgagggga 60
 agtacaggac tgctgatctt ggtggaaagg catcgacatc agagtttaca aacgcagtct 120
 gtgatcacat ctgagaaacg gatgtgattc ttccttctga ttgttttgtc atcctaatat 180
 ttttttgtca catatgagag gagcttttagc ttttaagaggt taactggcag cacctcgaac 240
 ttctttgggg tgtttaacac ggtttgagac cgtcaaataa ttttgtcaca tttcttgccg 300

ttcagaaatt ctttcaacat tggaatggag ccaagaattg tctgtaataa tcaacatcag 360
cattataaca gtatgtaggg tttatctc 388

<210> 26660
<211> 153
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F8

<400> 26660

tcagtcctaa aaaaaataaa tataaaaaaa acaattataa aaaataaaaa aaaaaaaaaa 60
ataatataga atcttcacaa aaatttaata tatatatattca aatattttcc taatttttta 120
aatctcatgt cctcttctta tttttttcca aat 153

<210> 26661
<211> 62
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-H9

<400> 26661

aaaaaaaaa aaaaaaaaaa aaaaaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaga 60
aa 62

<210> 26662
<211> 327
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C6

<400> 26662

caacgggtga gggattgtat gaaggcctgg actggctgtc cagcaacatt gcaaccgggt 60
cctaaattgt caagcaagggt ttggatcatc taggagcttt tggatgatga tgatgggtgct 120
ggatatttag ggttgggttg gtatttccgt atgtaagatg tatgcccctg agctcggcag 180
tttttgagct ctgcttaaga ttctcacagt taaattgttt tatgtaattt gggccttgag 240
atgtttctga accaaacagc taaaagagtt cagttgagtt aactgggtgc cattattaca 300

ttatgagatt ctttgaaaaa aaaaaca

327

<210> 26663
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F1

<400> 26663

ctcgagccct agctaggaaa gtagggtttt cgatggattc tctgagccgg agggagcggg 60
cacaccgcgc cgtcgacgcc atgaagcctc tgggcttctc gaagaaggag gtcttcgccg 120
tcctcaagaa cctcctccag ctgttcgata actcctggga gccattgag gacgagtgct 180
accgcgccct cgccgatgct atcctcgaag cccgcgaccg gcccagatg cattgcagca 240
acagtacaag aggggttcgg cttccgccgg aaggggaggg ctgccggccc cggccttcta 300
cttcccgatga catccacgac ggtctggatg gtgggaccga ggcccttcgc atcaagagga 360
cgaggatcag cgctagtgtc tctatcgatc cccagtcttc cggtctcgct gcggaagccc 420
ttgatgaacc tat 433

<210> 26664
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E7

<400> 26664

taactacccc cgcgctggct cgccaccacc gccgcagcag gcgtgggaat ctgggcaggg 60
ggccgcggag aagaggaggc agcgcgctct ccgtccgcca tggcgggctc ttccgacccc 120
gacaagctca tgagcaaagc cgacaaacta acaaaattga gttttacaag atggaatgct 180
gattggaaaa gcgctacctc cttgtatgag caagctgcaa ttgcgtatag gttcagaaaag 240
gacaatgaga aagcaaaaga tgcttttgag aaggcctcaa aaggacagga aatgatctcc 300
tcaccatggg acgctgctaa gcatatggaa tctgctgctg ctttagcaaa ggagcttggg 360
cgctggaatg aagtatctga tttctatcac agagcttcag aattataccg tgaatgtgga 420
aggccacaac ctgcatctga tgctct 446

<210> 26665
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F10

<400> 26665

cccacgcgtc cgcggaacgc tgggtccgcg ctcaaggact tcctggcctt tgtcgtgagc 60
gaggccaacc tcaagggcgt cgacgccatg cccgaggacg tcgcccaggc ggtgctctac 120
ctggccagcg acgagggcag gtacgtcagc gcggtcaacc tcatgggtga cggaggcttc 180
acagccgtaa acaataacct cagggcgttt gaggattagt tgaggcattt atgccagctc 240
tgggattggg agggagtatt accactatct cttctgctgt tgtgacaagt gattgcaaga 300
ctaataaact gcagcatgtt catgtatcca acagatgatt gaacagaata gaa 353

<210> 26666
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F4

<400> 26666

gtcgttcaag ggccagatcg tggggcttat ctacgctacg cagtttctgc ggatgccctg 60
aagtgtcttc aacgttctca tgatcgttgt caaatgggtg tctggctgag cctgatgaat 120
tggtatctgt tccaccttta tgtaagagct gagagatccc aaatttaatt gtactcaagg 180
ttgctgtaaa tatgtgtttt ctgttgattc taatgtggat ttctgttatt gttgtcgtaa 240
attaatttgg tcagaaaatg actgtcgaca ttcatactat ccaagccggc actttattgg 300
gggtgtcttt cttttgtaca ttaatgaatt caagacatat ttgcaacgct cttgtatgtt 360
ttgtgaaaaa aaaaaaata aataaataaa aa 392

<210> 26667
<211> 82
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F5

<400> 26667

atatatacat atatataata tactaacaat catacacata aaaataacta ataataaagg 60

gggacaatat ataaaaagag gg 82

<210> 26668

<211> 233

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G9

<400> 26668

tcgcccacgc tgctcgccata cgcttcctgc tgtcacgaac aggaactctc tgaatcacgg 60

gtgcagggtta gttcatgtgg cgttggattc tatcgtatag tagataatgc cgcattggcgc 120

tgctcatgct ttgtaaagtt tgggaggaca tgcatacataa ttgaagtcaa gtgataggat 180

cctgtttttt aagtacacga tacaacacaa atcttaacat actccctttg ttt 233

<210> 26669

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H11

<400> 26669

cggacgcgtg ggggtccatgg agccgtgcat gcacggggccg acgttctacg actgcgagtc 60

caagcacggc gccggcacgg ggaagctggt gccgcacgtc cagcactgcg aagacatgag 120

ctggggggctc aaacttgtcc atcccgagtg aaacagcaat aataatgaaa agaataatctt 180

ttttaatggt tcgaattcct gtgctaaaaa aaaaaaaaca caagaagaaa aagaaaacat 240

gaagcaacaa caaacataaa caac 264

<210> 26670

<211> 132

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H6

<400> 26670

cctgcaatTT gtaagtgtaa tgacctatat gattttaatct tcctttttaa aaaaaaatat 60
 gaaaaaaaa ataaaagaga aaaaaataaa aacaaaaaat aaaaaaaaa aataaatata 120
 ctataaacia cc 132

<210> 26671
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-B6
 <400> 26671

gacggacccg tccatgctat ggctcgccga cgcgcgggtc atggacatca aggttggtt 60
 gtcgcacccg tcggccgaga tctccgtctc caagcctccg ccgcatccgc cgcagatcca 120
 ttttgagaac gggagcacga gcacgtcac ggagaacccc agcccctccg tgcacgcgcc 180
 gccaccctcg ccggcgccgg ctgctccaca gcagcggcag caccagcacc agaatacaggc 240
 gcaccagggc ccgttccgcc gggagctcaa tttctcggac ttcgcgtcca ctccttcctt 300
 ggcgcgacc ccgtcgttct tcaagcccga gttcggcgag atcctcagct tcggcgccga 360
 cagcaacgcc cggaggaacc cgtcgccggt acctt 395

<210> 26672
 <211> 391
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-D1
 <400> 26672

aagccatcat ttccaccga cgtccgcacc ccctctccgg cgtgccgacg gtatccaggc 60
 ggcggtggtg cgcggcgtct tgaggggcat caaggagaag ggactcacca acttcatccg 120
 cgacgtccgc gacgaaggat acttcaaatg cttctcggac gggaaccttt tgcaaacgaa 180
 aatccacaat attggcgcaa cacttgtagg agttgacaag tttggtaaca aatattatga 240
 gaaactacat gacactcagt atggaaggca tatgtgggta gaatatgcag agaaaggtcg 300
 ttacaatgca tccaagtgc ctgctgaatg gcatggatgg ctgcaccaca tcacagatag 360
 caccggggat aagctgctga accagaagac t 391

<210> 26673
 <211> 60
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D12

<400> 26673

attttaaatg ccgattgcct tggtttcaaa aaaaaaatac aaaaacacaa acatggggac 60

<210> 26674
 <211> 87
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D9

<400> 26674

aaaaaaaaa aaaaaaaaaa aaaaaataaa aaaaaaaaaa aaaaaaaaaa aaaaaaagaa 60

aaataaaaaa aaagaaaaaa aaaaaaa 87

<210> 26675
 <211> 308
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-D1

<400> 26675

gtctcatgcg cgattattcc cccctccggc cgacctttta cacacgtacg attggctgtg 60

atgatcatcc acgcatgcat cgatcttccg ccaactcatc accgtctctt cgatctcctc 120

tcagcaatat acgtacaatc cttcgtcgct catcttgatc ggagtagcta gttctctttc 180

gaaataatgc atatgcccta gctgctcgct gcacacacgt acgcacggac acacctnctc 240

ttggatcgat cgtctccctt ctcgccgtcg tcggccgccg tcgtgccccg ggtcgatctc 300

gacggttg 308

<210> 26676
 <211> 94
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-G4

<400> 26676

aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaggaggggaa aaaaaaaaaa aaaaaaaaaa aaaa 94

<210> 26677

<211> 401

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-H4

<400> 26677

aagcaaccca atccaaacca gacaagcaag gaatcccccg atggctcatc gcgttctcct 60

cctcctctct ctgcgctcgg ccgcccgggt tgccgcgcgc gtcgacgcgg aggaccgct 120

gatccggcag gtggttcccc gtggagatga caacgatctg gagctgaacg cggagtccca 180

cttcctgagc ttctgtcagc ggttcggcaa gtcctacaag gacgccgacg agcacgcgta 240

ccggtctgtc gttttcaagg ccaacctgcg ccgcgcgcg cggcaccagc tgctggaccc 300

gtcggcggag cacggcgtca ctaagttctc cgacctcag ccggcagagt tccgncggac 360

ctacctcggc cttegcaagt cccggcgcg ctttcttaga g 401

<210> 26678

<211> 424

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-A3

<400> 26678

tgcactcttc tggacgcata tagccaagcg gccgaagccc cattccgtgc ccgccccgcg 60

ggccgcgcgt cgccttgaga tctgtggcgt cgtcggcgcc ggataacgag tagagatgga 120

ggagacggcg gcggtagcgg ggacggctga gaaggcgtcg tcgtacaggt actgggtgcg 180

ggaggccacc ggcgacgccg cgccgctccc cgtcccgcgc aagctcgaca ccgatgccaa 240

cgggaacggg aaccgcgcgt ccgtcggctc cgtctggaat caggctggaa catgggagga 300

aaaagaacct caactcatgg gccaatagta gaataaagga ttgatgggc tctatagggt 360
cattggcctt ncctacaggg aaggcatcta ttgacgaaat gtccaagtgc tcangcgacg 420
catt 424

<210> 26679
<211> 452
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-014-Q1-K1-B11
<400> 26679

cggacgcgtg ggccggacgcg tgggcggacg cgtgggtgct cggcagccgg tatccgtgct 60
gctcttccct ggccggccgag cggggctccc tctgacgact ccgcgcttcc tctgggtgcac 120
ggccgcttct attgccgtcg tctggggctt ctgctgcgtt accatgggcc aaacagcgag 180
gaaaatgccg agagagagag gtagagacag tttggctcgtc gagtcacatg gaggggtgcc 240
tggtggcccg ggaatccttc acctgoggag tgctacattg ccgggctgct gcatcgtgg 300
ctgcctctac taccagggt gactccattg ccggacagcc aaaactctcg gtcgagtctc 360
tgaaggccgt ctgtccctgt tcttccgca gcgaggtcac gagtcacccg aggaccaatt 420
tggtgaggta cctggaatct caagtgccag ac 452

<210> 26680
<211> 418
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-014-Q1-K1-B6
<400> 26680

gcctccgaaa atggcatgtg tatttaacat tttgcttgtt ttccactctt tggaattcgg 60
catacatgat tagaattgcc tcctaaaccc aaacaaaagg attacatata ctacaattca 120
gaagtctcag tagtatatat ggtagcggg gcatgctctc tcatgcaata tatataaact 180
taattagctt gctgctgcag gtccatagcc caccgcgccg gatgaatcga agggaattca 240
aagtctagta gaattggacg tttggaagt tagacggcat cgggtctcca gttcggcggg 300
atgacgtctt tggcgatgac cttcttgccg gactcgtggt tgaggcggat ggaaaagggg 360

cccttgagcg ccttggcagt gtccatcctt cagatggcgc cccaagagag cttcatgg 418

<210> 26681

<211> 70

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E12

<400> 26681

gcctactgtc tgttaccatg tatattatat aaggaaggat gcgttcacca atgtttgaaa 60

ggagacaatc 70

<210> 26682

<211> 258

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E2

<400> 26682

tgctgtaccg gtccggggtc gaccgacgcg tgcgcactga acgatgtgtc tgtcaaagaa 60

gaacactgtc tcgatgatcg tccatatatg cgacagtgtg tcgctgtgtg tgaacactga 120

acaacgtgtc aaaactgaac ttatgttgcc aattttattg caagcaacaa ggcgctccca 180

gctgatcttg tgcctttatg cagtttatac agttcaaaat ttcaaataaa ctatgaggct 240

cagcctagaa ttcattac 258

<210> 26683

<211> 345

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-G9

<400> 26683

cccactcgtc cgccactcg ttgcgccacg cgttcgccca cgcgttcgcg gactcgtggg 60

ggagaaaacc gtctgatct ggatggacat aatgaaggag taactatggc tggatatggc 120

tatgggatcc ctattagtcg cttttatgct cgatatttcg gtggggactt gcagatcadc 180

tctatggaag gatatggaac tgatgcttac ctncaccttt cacggctggg agattcggag 240
gaacccttgc cgtaatttat tcaaaagaac cattcctgta attaggatat tgcttctgtg 300
ctggtatgca agtatagttc tgaaggccaa aaattaaaat aaaaa 345

<210> 26684
<211> 202
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-A4

<400> 26684

cccactcggt cgtgcatatt cattctttcg ctcatgcact ccgatacggg gccggagtta 60
aaaaaatgtg gatcaatgtg caaattcaaa tgacatctta accagttgtg atcaatctga 120
accgctaaaa aaaaaaaata aaaaaacaa aaaaagaaaa ataaaaaaaa aaaaaaaaaa 180
aaagataaaa aaaaaacaaa aa 202

<210> 26685
<211> 103
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D2

<400> 26685

tcgaaaaaaaa aaaaacaaaa caaaacaaaa aaataaaata aaaaaaaaaa aaaaaaaaaa 60
aaacgggaaa ataaggaaaa aaaaaaaaaa aaaaaaaaaac ata 103

<210> 26686
<211> 348
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F10

<400> 26686

cggacgcgtg ggtgttgaga tactaatgct agcgacaact ttatgctaag acgcatatat 60
ggctgattgt tacaatggag ggatgagaag acaggaaact ctagcaatca gatatatatg 120
cgtcttagca taaagttgtt gagatactaa tgctagcgac aactatgttg acttgctcgag 180

tatgtagaga tgggctcatc atttcgtggt gagcttgtag atatttcctg agattacttt 240
 gtcctgccaa acatgcgcca gttctccatt ggttgctaata gctcggctct gggattgtat 300
 attcgtatatt aataaaagta cttgctccta ttcgaattcg ataaacaa 348

<210> 26687
 <211> 106
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G8

<400> 26687

cccacgcgtc cgcccacgcg ttcgcccacg cgtcgcgcca cgcgtccgcc cagcgtccg 60
 ggcacgcgtt cgcccacgcg ttcgcccacg cgttcgcca cgcgtt 106

<210> 26688
 <211> 284
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-A6

<400> 26688

atgaaaaaca accgagagag acatataata aataaagaaa taaacaataa ttaggcaagc 60
 acattccatg tgtttgccac tcgcattcca tacactgatg caggtacatg tttctatatt 120
 atcaggggtgc aacgtatata ctggtagtta ttccagagaa tgaagagggt tttgcgtcta 180
 gtcggaggag ctgctgctgg agggcgacgt tgagcatcag aaggctaatt aggtgctcgc 240
 tccagaggcg gccgtcgccg agcccgacca caaggaggag gaag 284

<210> 26689
 <211> 328
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-E7

<400> 26689

caagatcgct cgatcgctcg ccatgcacgc acaacctatt cttaataacg ttcattatct 60
 cggctcttatt tatgacgaat gtcattgatg ttctggtgac tgtcatgat attctgatga 120

ctgtcatgta tcttgttcat gtatgtctcaa gggttcattat cttgttcatg tattaagtat 180
 gttatgaata actcaatatt tattatTTTTg ttcatgtatg aattatcttc taatgagctc 240
 aagggttcaaa aaaaaaacca acaaactaca taaccacaaaa aaaactcatt taataacctt 300
 ttttaacttt atagtcactt ataaaaat 328

<210> 26690
 <211> 63
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-G10
 <400> 26690

gggtggcaact ttctgtgaaa tgtgctcgga tcctctatTTt gtttatgctt ctacttacat 60
 tca 63

<210> 26691
 <211> 241
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-G11
 <400> 26691

agctacatcg tcactatcgt atagcgtgac ctaaattcaa ataaatggcc gaccattaca 60
 acagtccgac tgggaaaaaca ctcactttac ccacatgaat accctggcaa aacatctgca 120
 tttgcccaac atgcctaata aataaaaggc ccacaccgat tgccatctct aaaaactgtt 180
 cagcctgaat ggaaaaatggt acgcgccttg taccccaacc ttaaccacgc attctgtgag 240
 g 241

<210> 26692
 <211> 66
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-H6
 <400> 26692

cggacgcgtg ggaaaaaaaa aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aaaaaaggaa 60

ggggaa

66

<210> 26693
<211> 460
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-H9

<400> 26693

aagcccgaga acgtgctcct ccgcgccgac ggccacgtca cgctcaccga cttcgacctc 60
tcccgccttg cgcacccgca cctnccctcg ctctcggtt tcaccgagac ggacgacctt 120
ctcgcgtagg ccgtccccta ctgctccggc ggcgacctca acgagctccg ctactcgctc 180
cccgaccgca ttttctcccc cgcggccatc cgcttctaca ttgccgagat cgtctccggc 240
gtcgccgagc tccacgccgc gggcgctgtg taccgtgacc tcaaggtctt cgacaagcgc 300
tccgccgccc gcagcaggaa gcctgaagcc gaccgcgcgc cggtagggaga tcagcgtgct 360
ctcccgctt gcgcaccgc acctnctnca cccagcagg tcgtccgcgc agtcgtcgctc 420
gccccgcgc tcagcgtcgt cccgcggcca ccacaacctg 460

<210> 26694
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-A2

<400> 26694

aagtacgtac tgactgcac accctttatt gaatcatcat ttacgtacgg tataacgaat 60
ccaatgggat cgtgggaaca aataattttt tttaaaaaaa aagaggacct caaaaagctt 120
atacgacagc cagacaatga atgttacaca agtgtaaaag atcaaacgac aaagctcctg 180
ctctgctcg tctcatgaag ctttcttggc cttggcaatg ctcaggaggt cgccgaaaag 240
cttgtcttcg ggcttcgtcg ccgcagaggg tggcgctctc gtagtctggt acgacgagtt 300
atcctgcacc gagaggccat acatgccctg ggacagcccg ttcgcgccgc ggtaccata 360
cattcccgcc gtccccaggt tactgtagta gtgtgcagcg gccacagcag gatgctgcat 420
gtacc 425

<210> 26695
 <211> 219
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-C2

 <400> 26695

 cgaatagata tagatagtgt ttcaacaggc cctcctcatc ggatgtggtg ttgtctgagc 60
 tgaagtgggt agttgtgacg agtgaattca gtgctctgca gacaacaact attatcataa 120
 cctgagggta gagtgaatta ttcatgttaa aatataccta aaaccataaa tacataataa 180
 aaataaaaaa aaaaaaatac aaaaaacaca tgataaaaa 219

<210> 26696
 <211> 89
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-C3

 <400> 26696

 attcaattct gtatcatctc actttggcgg aattaaaaaa cggaatata acaatacaaa 60
 tggatatggt taaagaagaa ggagagcat 89

<210> 26697
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-F5

 <400> 26697

 cggacgcgtg gggcaggac gtgctgatca aggacgtcaa tgtgacggcg cccggggaca 60
 gccccaacac ggacggcatc cacatgggag actcgtccgg ggtcaccatc accaacaccg 120
 tcatcggcgt cggcgacgac tgcattctca tcggccccgg gacctccaag gtgaacatca 180
 cgggcgtgac ctgcggcccc ggccacggca tcagcatcgg cagcctaggg cgggtacaagg 240
 acgagaagga cgtcacggat atcaacgtca aggactgcac gcttaagaag acggccaacg 300

gcgtccgcat caaggcgtat gaggacgccg nctnctgtct caccgncctnc aagatccact 360
 atgagaatat caagatggag gactcgggct accccatcat catcgacatg aagtacttgc 420
 ccaac 425

<210> 26698
 <211> 267
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A7

<400> 26698

gaaaatagtg ggatcgagtt gtttcaactgc acgagcacat cctccggcga ccaccggcct 60
 ccctctccgt cctctagcga ccgaccaacg cgccgagcga agatgtcgtg gcagacgtac 120
 gtggacgagc acctgatgtg cgagatcgag ggccaccacc tcacgtcggc ggccatcgtc 180
 ggccacgacg gcgccacctg ggctcagagc accgcgttcc ccgagttcaa gcccgaggag 240
 atggctgccca tcatgaagga tttcgac 267

<210> 26699
 <211> 142
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-B5

<400> 26699

gttgattttg tcttgcaccg gtctgaaccg tggccaccaa atatgttttg gccgcttgta 60
 accagaaatg caatcgcaac cattcaaggg cctgtttgtt ttatcttaat tcacattgat 120
 cggagaaaaa aaaaaannaa aa 142

<210> 26700
 <211> 82
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C6

<400> 26700

cccacgcgtc ctccacaca aactcacaca cttcagacgc cccacacaca tcgtacaaga 60

ccgtacattc taacacactc at

82

<210> 26701
<211> 289
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G8

<400> 26701

accattaaat tttttttaat aatttccctt tatattatta caggtttttg aaataaaaaa 60
attagggggc taaaaattgg ggggtgggta tggcccttaa aaaaacgaga gccggccctt 120
taaaacgttt ttagggaaaa tttttcattg cctggtgact ggaccattaa taggcccgtt 180
gcctggtttt tttggaccaa tttaccaa atgggcaggaa attcttcaac ctaaaaaggt 240
tcccccaggg gttagaatcc ccgggttttt ttggaaattt tgtaacaa 289

<210> 26702
<211> 115
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-H5

<400> 26702

tacgtcggag ctcttttata gggacaccta aattcaattt actggccttc tttttacaac 60
ctctttactg gtaaaacctc tctctttacc caacttaact gttcttcacc acata 115

<210> 26703
<211> 86
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A11

<400> 26703

acagaggact actatgagtc gattatatat atgagtatca tgtttataat acttcggggtt 60
agtgcataaa aaagggaacta aactac 86

<210> 26704
<211> 350

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-D5

 <400> 26704

 cggacgcgtg ggctgctgat gactccgccg gtgctgctgc ccttggaagt ggagctgcca 60
 gggccggcgt tgccgctgct gttgctacca tgatcttctt ctactaaact caccgacgat 120
 ggtcgtgtcg cgggtgagaca ttaggggtgga cacgtaattg gctgtgctgt aatcgctctc 180
 gtctgggtggg gagggagggg ccaagtgttt ctttgctttg ctcacttcgt ttgctcttgt 240
 aacattatgg ggtcaaccgt tatgtaacta atggatttga ttaaaaaaaa aaaaaaaaaat 300
 attataaaaa aaagtaatat taaaatattt attaaaaatt tatatataaa 350

<210> 26705
 <211> 380
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-E4

 <400> 26705

 gacggggcgt ggcgcgatgt gcacatcatg ttcgcgcaga tcacgctgca gaacgtgcag 60
 ggcgtggggc tgcacaacct gcacatccac gactccaagg cgcactcggg cggcatgatc 120
 cgcgactcga agcggcacta cgggctgcgc acgcgagcgc acggcgacgg cgtctccgtg 180
 ctgtcgtaca gcaacgtgtg gatcgaccac gtgtccatgt tcagctgctc cgacgggctg 240
 atcgacgtgg tgaacgggtc gacgggcac accgtgtcca acagccactt caccgaccac 300
 gaccacgtga tgctgntcgg cgccagcaac gacagcccgc atgacgcggt gatgcaggtc 360
 acggcggcgt tcaaccactt 380

<210> 26706
 <211> 65
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-E7

 <400> 26706

cccacgcgtc cgaaaaaaaa aaaaaaaaaa ataaaaaaaa aaaaaaaaaa aaaaagaaaa 60
aagaa 65

<210> 26707
<211> 213
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-F7

<400> 26707

tacagcgaca aagtagaaga gaagaaggag ctgatcaagg ggataacgct cggtaacaaa 60
gacgaattcc agcttacgcc tctgccccaa caaggtcttg tgttatgggg agagcacgat 120
cagatattcc ctgtcgagaa agcatttgaa gtggcaaggg aacttggcgc aaatgctagg 180
ttggaggtgc tcgaggacac cggccacatg ccc 213

<210> 26708
<211> 363
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G4

<400> 26708

gccatgcac gccgacgtgg cgtacggtga cggatgatgg cctgctgagg gaccggcagg 60
ggctgagggc tgccgtgcgg ctagcgctcg aagcggagct gccagtcgtc gcgtcgccgc 120
tgctgtcgct accatgatct tgtactgagt tcaccagctg ggaccgtgta gtctacgggtg 180
ggcacgtagt tggctcgtgc ggtaattgca tcgtctggtc gggagggacc aataacgcaa 240
gtgctgcttt gctttgctca cttcgtatgc tcttgtaact ttatgggggc aaccggtata 300
taactgaaac gatttgatta actgatacta atgctctcta tctgtcatgt ataagaaaac 360
tgt 363

<210> 26709
<211> 428
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-H10

<400> 26709

atgcagtata cttgtaaata gcttggactg gtcgaaactt agaccaaata tcccgaggct 60
tgtagaatcg ggaggatgtg ttttgctgga ttcttgtatt attcttcagt tcctttatatt 120
ccattatcgg aaacgaaggg agccttcgga tgagcacgac aacgcagaca aagcctgact 180
gatatagaaa ctactgtttc ttcttcgggt caaagaattg aagctgaaat gggatcgat 240
accgacctgc ctntacaac gggctctgga tagcagcagc atcgttgtta cctgaagatt 300
tgagagcgctg tttcactggg tgctgctttg gagggctactt ctcaccgct catgtccctg 360
tgagaggctt gtgaaactat nattgtctcg tagtgtccaa atgtcttggg tttctattgg 420
attatatc 428

<210> 26710

<211> 218

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A3

<400> 26710

atttttactt tattcaggac acgacaagca aatacatctc caaatacgaa atttaagatg 60
atacgcagga ctttatcca catgcactag cactaaacct gcactacact tatcttctct 120
aacctgctat tgacactaac aatatgatga aacactttac aaaatcactc gatcactttt 180
aaggtagatc cccttacatt taccctctat acactttt 218

<210> 26711

<211> 281

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A6

<400> 26711

cccacgcgtc cgggtgcaatt caccctctta attttgtata tatagatcta tagatcctgt 60
tgtaaatttg tacagattat tattagtatg catgggtggg aggctcatgc tgacaaatgt 120
atgtactatt gtactgtata tctcgagttc atggtaatac aacacacaga ttctgcaaaa 180
aataaaaaat gaaaacaaga acgacaaatc acataaaaac agattaaaat cacacaaaat 240

gaagtcacctc aaacatatca aatcttcaag tagcgatcac t 281

<210> 26712
<211> 211
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C4

<400> 26712

cccacgcgtc cgcccacgcg tccgcggacg cgtgggcttg ttoggaaaaa atgccatgt 60
tgctccttgt taacatgtcg catgaccata atcttttggt taaattttta aatatagagt 120
tccatggcaa atggcaaagt cgaaactagt tactcctcca atatattgga agaacaataa 180
atttggtgta aaaaaaaaaa aaaaaaaca a 211

<210> 26713
<211> 186
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E12

<400> 26713

cacgtgccac gttatctctc ttatatagtg acctctatat acattacagt gggcgtcggtt 60
acacaacgct gactctgaaa aaactgtggc gtcacaaatc ttaatcctct tgcaacacat 120
ccctttttcg acatgtggca taatcgcgaa gaggcgcaca catatcgctt cttaaaacat 180
gtgcac 186

<210> 26714
<211> 69
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C1

<400> 26714

aaaaaaaaa aaaaaaaaaa aaacaaaaa ttaaaataaa aaaaaaaaa caaaattaaa 60
agggactga 69

<210> 26715
 <211> 229
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-D5

 <400> 26715

 ctccgcctct ttttgaccca tacttataac tttctcctcg cggtaacatt ccattagcct 60
 ggggttaatta gatccaccgc tgggtgactc caattccatc tcgcaatacc ctggatttag 120
 cccgacacta atccctacag cttattctac acctgtgaca tctgattggt cctacttcga 180
 aagcaatcaa ctagacttca cttactcaat aacgcccata agatctctc 229

<210> 26716
 <211> 301
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H4

 <400> 26716

 attcggagtt cgagggacga gtcaccgcgt gcgtgggcga ttcgcaggcg ggtggtcggc 60
 gtttcactat ccaccaccgc gccgctgcgg tggaatttct cctcgaccgg ccagcgcaat 120
 tctgtgcctc gatcgatcgg tcgtaaggca agtgagcaag ctatatatat atatatatat 180
 atatatatat atatatatat atatatagga gattcttcga gcgagctaag agcgagatgg 240
 gttccgacgt actgttttac tgcataatgca tcgacggcgt catcgcatcg tcggcggaca 300
 t 301

<210> 26717
 <211> 398
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-C5

 <400> 26717

 agcttgaacc agttactata aatacttgac agcttcatct acttactata tatacttgac 60
 actatatacg tgctgtctat gactatgagt ctatctacta atactattat tctccatctg 120
 cgtatacata tgtgcatatt tggtttacatg tcacgggacc agtcctgcag ctgcgcctcg 180

gagaagagcg cctcgacgat gttgtcgatg agggagtcga cgaaggcgtt gcaccccagc 240
 gtgaacatct ggccgatcct gttgcgcgct ctggacgccc acgcgaacgc cgtggcgcgt 300
 gcgaccaccg tcacacacac ccccgcggcc tctcgatct ccatcgtgtc cagcttcttg 360
 aacagcgagc tgcccgtcgt cgtctccacg gccactgc 398

<210> 26718

<211> 81

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C6

<400> 26718

aaaaaaaaaa aaacaaaaaa taaactataa aaaaaaaaaa aaaaaataaa aaaaaaaaag 60

aaggaaaaat attataaaat g 81

<210> 26719

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D10

<400> 26719

gatcgactcg caggcggatg gtcggcgtct cactatccac caccgcgcgcg ctccggttta 60

ggggctcctc gaccggtcag cgcaattctg tgcctcgatc gatcggtcgt aaggcaagtg 120

agcaagctat atatatatat atatatatat atatatatat atatatatat ataggacatt 180

cttcgagcga gctactaccg agatgggttc cggcgacctc ttttactgca tctgcatcgc 240

cgccgccttc gcatcgtcgt cgtccatggt cgccgccagg tccgccgtcc cgggggaaac 300

ccccaagttc atctcagcga gcgcacttga gtgctccggt aacgtaaccg aaatagcaaa 360

ggcgcgcaag ctgatcgatg tccatggaca caggctgtgc cactgcggc tcgaccacac 420

gcgcagcatc ag 432

<210> 26720

<211> 258

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D6

<400> 26720

gctacggcgg cggcggcggc ggctggaggg actgatgtgt gggcccatcc tggcttcggc 60
cgagttatct tatctatcta tagtatcgtg ttaccgttcg cttctgtcac cgtgttagtg 120
tccgttctac ctttggatta ggtgttggtta cccctgttgt tccctttggt tgctcccgtc 180
atgaaacgag acgagagaag aatgagcaag gtttttgttc gcagctatct ttgtccaatg 240
atattgatat gttgttcc 258

<210> 26721

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D9

<400> 26721

gaaggtgata tcgttctcag atctaata gta tgtcaccaag cgcaagggtg caaatgctgt 60
ttcaagcatg actaaacatt tggagcaagt gcaaagttct cttgctgctg ctaaaaggca 120
tttgacacag cgcattgaaa agttggacga taaattggat cagcaaaagg ctctatctgg 180
acataataaga aatgatgtta ctgatgcacg tctgaagctt gagaatattg gttcagaaat 240
taagaacatc aatgaattag tttggggact ggatgggaaa attgattcaa tggaagctaa 300
acaggacttc tcatgtgctg gtgtgatgta cctctgccaa ttcataagagc aaaatgggtg 360
aaagcttacg gatac 374

<210> 26722

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E4

<400> 26722

ggcggctgga gaaagagagc caggtcagca ggagattgag tgcgtgttgc cttaatggta 60
gactgcgcat gcgaggtgac aaagagcatg cactgcactg caccacatat gtgcatcgaa 120
ggttgaagac gaccagcacc tccggtcaga agagaggaag gagaggcggc tggagaaaga 180

gagccaggtc agcagggtgt tcaaaccgcc ggcggtacca acgaatcttc ctctttttct 240
tcttttagctt gaatttatgc cttgtgacgt gcatctggag gcacgactga ttacaaaaga 300
atacgagttt tcctaaagtt aacaacattc ttgactggca aaaccctggt ctttcccaac 360
ttaattgcct tgcaatacat tccctttttt ccagttgg 398

<210> 26723
<211> 321
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-E6
<400> 26723

cccattataa ataaaaaaaa aaacaacccc attaaggggg gaacacaata aacaatttta 60
tcaccgaaaa atgggtcagg gagggacctt aaaattaaac attaatcaac taaagaaccc 120
ctctaaaaat gatttttcaa aaaaacttac attgcacatt ggaggctttt tattggtagg 180
ggaaaaaaaa ataaagtcag ccatttaaaa aaataaacgt cccctataa actgccaggg 240
tgagtttaat ttacacggt ttattctaaa aacaccggcc agaaaaaagg ggtaacctg 300
cccccgaaa aacccttacc g 321

<210> 26724
<211> 215
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-E8
<400> 26724

caaagcaata attgtatcag catgaacaaa atgggtatgac catacgatca taggttgtaa 60
tatgttttct ttccttcact gtgtaagtag aatgcagggtt ttcactgtgt aagcgttctt 120
ttatactctg ctagtaactg taaaaaaaa ccaaaaatac aaaaataaaa aaaacaaaa 180
caaaaacaaa acctagataa taaaaaaagc aaaac 215

<210> 26725
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G5

<400> 26725

gtcaagcttg ggttggttaag gggagagtac attgtcgatc acaatgctgg tactggaact 60
atTTtcttca gatttggtga gagattttga gtatgcaaca ttctgccact gtggaaggca 120
gacttttgag gcactctgtt tagcgatgct tgtggactgt gataggattc aatcggcact 180
ggagctctgc tgaaataatg aagctatTTT ctggggaaga gtgatagcta gtgtgaaatt 240
agTTTTTTTc tatgtaggat gtaagatctg ttctttcaga gtttggagct cataaataga 300
tgaatattca cagaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaca 360
aaaaaaaaaa aaaaaaaaaa aaaaacCaaa caaaa 395

<210> 26726

<211> 170

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G8

<400> 26726

atcgaaccca cgctagacga ctgcaaccca tgggcgaacc aactgaccga ttaaccgacc 60
aaggtgtatc ctctgtctacg atatcttcct aggacaaagc cggggccggtt aagctggacg 120
caggggacgc accggccagc actcatgaac ggcataaaac gcaacggctg 170

<210> 26727

<211> 63

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A5

<400> 26727

cccacgcgtc cgcccacgcg tccgaaaaaa ttaaaaaaaa aaaaaaaaaa acaaaaaaga 60
ggg 63

<210> 26728

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H3

<400> 26728

aagcatataa ccttgggaacc ggaaaaggaa catcagtgtt ggagatagtc aatgcatttg 60
agaaggcttc tggaaagaaa atccctttga tcatgggcca acggcgctct ggtgatgctg 120
agattctctt ttcacgccc gcaaaagcag agagagagct ccaactggaaa gcgaaatatg 180
gcatcacaga aatgtgcgga gacctgtgga actgggctag caagagccct tatggatacg 240
cggcatctga gtctccgaag ctgaatggta gttcacgctg agcaacgccg attggcccgt 300
gtggactcac ttgtacatga gactgtagtg ccagccaacc aggataaatg tagatctagt 360
cggtcggtca tacagagaga agttctatag gcctaggaaa gaaatgttat cctgttcctc 420
agcataagct cccatag 437

<210> 26729

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E10

<400> 26729

agcaattcta gcgactctgt ctaatttga taggtcacat tgctatttct taataaatac 60
tgatgtaaag acagaagttg gtatgagtag aacatgcaca cacaaccaa acgaccctac 120
actagagatt ggaatccaag aataaactta acacaagacc aaatgggtgcc ggacataca 180
tgcgtacatg catctgaaaa caagattaat aatcacataa aaagaaagtg gaacaccgaa 240
cccaacgcaa gcacaaatca agaaagaaac aaaggaactt tgacagccac gcccatgcgg 300
caactgcgcc gatcgagctc cggtcgacgt tgtcccacgg tcgtatgtag atatagtagt 360
acggccggtg acgctgcgtg gtgaggtgag t 391

<210> 26730

<211> 156

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E4

<400> 26730

tagcgacat gttagcaaga tgagctcttt tgttctatgg ttattttgtg gaaccagacc 60
 acccaagaaa taagtgatgc tagatgtacc ttctgacctt gttgtattgg gttgatatta 120
 ttacataaac taaatacatt atttatttaa gatttt 156

<210> 26731
 <211> 473
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B1

<400> 26731

agaaatactt catgatgatg aatcatcagg ttaagatcga tctaaaccaa tccattttat 60
 gtatacatag gacatgccaa cgggttaaaca acttattaga aatgcaagac agccaatagc 120
 aaatgctaga aaatcggccg cgcttaaggg atgtcctcag cgtcgaggaa catgtgctag 180
 ggtgtatact atcaacccca aaaaacccaa ctctgcctta cgtaaagttg ccagagtacg 240
 attaacctct ggatttgaaa tcaactgctta tatacctggg attggccata atttacaaga 300
 acattctgta gtattagtaa gaggaggaag ggtaaggat ttacccgggtg tgagatatcg 360
 cattattcga ggaaccctag atgctgtcgc agtaaagaat cgtcaacaag ggcgttctaa 420
 atatggggcc aaaaagccaa aaaaataagt gattcgtttt tagcccttat aaa 473

<210> 26732
 <211> 54
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F10

<400> 26732

tcgcccacgc gttcgcccac gcgttcgtcc acgcgtccgg ttctagatcg cgat 54

<210> 26733
 <211> 259
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F7

<400> 26733

ctgactcacc ggtctatact acaggttggt tcagcaggct acactacaga gtttctcttg 60
 tgacacgaca taacataagg ctgtacagtc tgctagtatt agctgctgaa tgcagatcac 120
 ataacgcaag acgtttgtaa atggacaatt cctcaggccc cttgtgttcg gcttgaggaa 180
 ggtecgctgtg tacgactgaa cctgatatac ccgggcgagc catgaattgg attcctaata 240
 gtgactccta aattcaatt 259

<210> 26734
 <211> 72
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A6

<400> 26734

tcgtctcgtg tgacgtatga catccaccag taattacaag tcgcgttgag atataactga 60
 agcaaacaga at 72

<210> 26735
 <211> 285
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A8

<400> 26735

tgccgcgcct caatgtgacc ccgtgttccc acacgaccat cctagcgcga ggacacgtgt 60
 catctgaaaa gcaagttggt acctggaatc tcaagtgccg ggtcaagaac aggtaccaca 120
 ggatgaggca catggaggat gctgcgatgt gttcatgaga ggtctaggcc gtcgtctccc 180
 agtcaacttt gggttgctgg accgttgtct ccttataatg taattatata tttattttgt 240
 atagaactcc tgctatgaag taaagatgtg acattcaaaa gaaac 285

<210> 26736
 <211> 242
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C3

<400> 26736

tacactcggt cagatgcact tgatccggac taatgtacat cagcagcaga ggaccagct 60
 ggggtggtcg ccacgcacgt cgtatcgccc ttgttgtcga catgcgccag tcattcggat 120
 tccatgccag gcaagccgga atagggtgtg caaagcactg catgcagata agtgtgcttg 180
 ccgctgatga ctgcgctact cgtgctatct gtggctgctg tgcacgcatg agtagcggcc 240
 ta 242

<210> 26737

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D1

<400> 26737

taccattccg atgggatcat gtccgtgtca aattgaaaaa ggagatagt acgtttggag 60
 acccaggtgt tatgccaaact aaaatcgttg ggaaatatgt taagccaaaa gactggaatg 120
 acttgataag tgatccagac actgtcatca ttgatgtgctg taacatgtat gagatacgca 180
 taggaaagtt taagaaagct gtcgatccac gtacaaactc attcagagag tttcctactt 240
 gggttgacga tcaatttcaa ttgggttcaat caggcaccct agggtcaggg ggagatgata 300
 atggaactcg tgaaccatcg gcagacctta atgccagcaa atccaaacag ctaccaagag 360
 ttgctatgta ctgcactggg ggtatccgat gtgaga 396

<210> 26738

<211> 216

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F1

<400> 26738

gctacaacga cagccatga attcaggaag agtttacagg agcaacttac aaggaggag 60
 gaggacagtt acaaatcttc ccggtgaaaa tgaaaatacg aacgaatctt tacaatatata 120
 tatatgtgtg tggtttgtat ttgtctgcaa aaaaaaacia ataaaaaac tgagtcgagt 180
 ttacacgggtg tagctctgct gaatgggtgc aatgtc 216

<210> 26739
 <211> 233
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-F7

 <400> 26739

 gttttcgtct caagagttca cttgtaaatt tgtaatcgag gaagaaaagc acctctcgat 60
 cgattaacat gtctagctgc tacgatcctg tgattcgacg atgttaatta atcggcagct 120
 ttcattatga tgtgtagcag tatactgtat gattaattgt ggatcttttc gaaaacaaag 180
 actgtaatat tcgtgaaaaa aaataaaaaa aaaaaaaaaa aaaaaaaaac aaa 233

<210> 26740
 <211> 357
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G12

 <400> 26740

 ctgacgcgtg ggctgacgcg tggtcggcgg ctccctgcgt cgcgagctgt aggcctgact 60
 gggctggcat gccgcctccc ggttgacgcg cgtcacgcgg agggagatgg ctactcacga 120
 cacgggaccg agacagtgcc gtcacgctgc gcgagttcta cggagactgg atcagcatgg 180
 gacatgacag aatgggggtga tggatgcaca tgtctgcaag cgcggacaga gactgagacg 240
 gctcgtcaa cgccgtcaaa ttcaacgact tcctgcatgc tgatgacagc aatcaagata 300
 gcgtgatgct gaggctactc acggacacgc tatgcgagat ggaccacgac ggagacg 357

<210> 26741
 <211> 214
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-A5

 <400> 26741

 aaccgccaac actttacact ccagtgtcga tatccatcag ggccagtgtt tacaatttac 60
 agacaatcat gaccaggaaa cagaaaagaa ttacacatat tgagtcctgg tgaaggacac 120
 ccatattcag aggagaacca gtgcatatat gtcgtccaaa aaaaaaaaaa aaaagatatt 180

tgagcataat tattttataa aatttattgt aaaa 214

<210> 26742
<211> 349
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-028-Q1-K1-A8

<400> 26742

acggagtcaa gatcatagcc atgctaattt cgatatgggg ntttcctttc atatctctat 60
cgaaactatc tcgacgataa gaaggttagg aatgcttagg gagattactt gggctctacaa 120
ttttctttca tagatgttta gtttgtttcc tgcgagatga tagatgttca ttacttatgt 180
taatttaagt acattttacc aggaggaaac tatagctttt cagcatagct agaaaaattt 240
ccctgagtta ttattggctc ctcttttttt tttgcatatg cggcatatgt gtaagggtgt 300
gggacaagga aataaacatg atatatagnt ttatagggtgt tttttttct 349

<210> 26743
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A9

<400> 26743

ccttctaatt tctttcgaat ttaacttga tcgaacacac ctgtatcctg tcgttctacc 60
ctgtatgttg taacacacgg ctcgtaggac gtacgttttg atcagctgca catacatata 120
cacattataa tcacacacat gcacacacac cgggtctagg cataacgatt actcttcctc 180
gccagacaag cccaagctca ccggcgtgcc agtctccggt atccagtcog cgccgtgcaa 240
gaagtgcccc accgtgaact gcagcgccct gtccttgccc atcacgtgga acccctgcat 300
ctccttcgac ccggtgacgt tggcgccgtc gccgcggttc ctgaactctc cgaagaaggc 360
cgtgcccagg ttggccttgc cctcccaggg catgtacccc 400

<210> 26744
<211> 369
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B1

<400> 26744

aagcagcaca cgagacgata tagagggagg gatcatggct ctcttccgtg ccgccgcgtc 60

aggagggttc gcgctgatec ttctcgcgtg ctgcagcctc atcatgctgg cggcggcgtc 120

tggcggcggc ggcgtggacg acgacggcgt cggtggtgac aggctgatga tggaccggtt 180

cctcagctgg caggcgacgt acaaccggtc gtacccgacg gcggaggaga ggcagcggcg 240

gttccaggtg taccgcccga acattgagca catcgaggcc accaaccggg cgggcaacct 300

gacgtacacg ctccggcgaga accagttcgg cgacctcacg gaggaggagt tcttggacct 360

gtacaccat 369

<210> 26745

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B5

<400> 26745

tagtcttcaa gatgatgatg acatgaaaga gcaagcatga atggtacata caaatgtgct 60

attccatgca ttaaggaatg atgctcaaaa ttttgcatac cctcctgaag ggaaatatta 120

ttgtgccgat acttggcacc atataagggt caaagggtacc atgttcaaga ttggaggagg 180

ggacccgcac caaatggtga acaacaacac tttaaccatt tgcattgata acccgtaata 240

tggtggagcg agcatttagg gtattaaaat gaagtggaga gttctactga aaatgtcggt 300

ttacaaaata gaagatcaaa agatcatcgt tgcagctact atgtgtttgc ataactacat 360

ttgagaaaac catgttttag ataaggattt tgtgaaatgt gatcggaatc ctaaatatgt 420

gccacattt ctaaaaagggt atgctatatt 450

<210> 26746

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E10

<400> 26746

cacggccaaa tatggtagtg attggctaga tgccaaggcg acatggtatg gcaagccgac 60

aggtgctggc cccgacgaca atggtggcgg ctgcgggtac aaggacgtga ataaggcccc 120

tttcaacagc atggggcgcgt gtggcaacgt ccccatcttc aaggacggtc taggttgtgg 180

atcctgcttc gagatcaagt gcgacaagcc agcagagtgc tctggcaagc ccgtgggtgg 240

gtacattacg gacatgaact acgagcccat tgccggctac cacttcgacc tagcgggcac 300

cgcgttcggg gccatggcca agaaggggtga ggaggagaag ttgcgcaagg cgggcatcat 360

tgacatgcag ttccggaagg tcaagtgcaa gtatggatct aaggtcacct tccacttgga 420

gaaggggtgc a 431

<210> 26747

<211> 250

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G7

<400> 26747

gcttcttggg ttttaagaaa ctgagaatct aatttctata aacttagtca taaactagta 60

tgtttggaac cacctcaatt tctataaacc agtttcttaa aaactgggtg tttccaaaca 120

gggcctaagt cactgtagtg cttagccagt tgtaacttaa gagagtcttg ttaggttgcc 180

ttgtggccac aaaaaaaaaa acacaaataa aactgtgcat tacgaaaaac acaatgaaca 240

accacaaaaa 250

<210> 26748

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A12

<400> 26748

gttcacttct ccaggtaagg aaagggttcg tactcatggc gccgccgag ccaaagtcgg 60

gcctcttcgt tggcatcaac aagggtcatg tcgtcaccaa gcgcgagctg cctccccgcc 120

cgtgccaccg caaggggaaa tcaacgaaga ggggtgtctat ggtcaggggc ctgatcagag 180

aggttgctgg gtttgctcct tatgagaagc gtatcactga gcttctgaag gttggcaagg 240
acaagcgtgc cctgaagctt gctaagagaa agcttggaac tcacaagagg gcaaagaaga 300
agagagagga gatggcgggc gtcctcagga agatgaggtc ggctggtacg cacactgaca 360
agaagaaata gagagcattt caagttcatg gagcctgcca gagattatgt t 411

<210> 26749
<211> 251
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-B12
<400> 26749

ggtttctgat gtgccacatc aaacaccaat gctataccat acatgagaaa gaccaaggct 60
tgccaaaaaa aacaaaaaca agagtcaaga acacagaaaa agaccaata ccaaaacaaa 120
aacaataaac aacaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaacaggg gcggcccttt 180
taaaaaaccc aaatttacct accctgcatt acaacgtcat acctttatga tgcagtcgcc 240
aaaattaaat t 251

<210> 26750
<211> 64
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-B2
<400> 26750

aaaaaaaaa aaaaaaaaaa aaaaaattta aaaaaaaaaa aaaaaaaaaa aaaaaacaag 60
aaag 64

<210> 26751
<211> 219
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-029-Q1-K1-B8
<400> 26751

gttggcttca tgggccgacc cactaaggct tgctgctcg gacctgttgg cttcatgggc 60

tgatgggttn tttttatttc ggtaaaaatt ccaaaaaaaaa atcgggtacc cgaccaaacc 120
ggccgtaaaa tgaccttcg gttttgattc cggtttccat taaaaatttc cattccgaat 180
ctggtttcca attattccg taccctgaa ttcgaaccg 219

<210> 26752
<211> 158
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D5

<400> 26752

aaaaaacac cctaaattcc tcaacacaaa aatgtttata aataaggtgc acacaaaaa 60
aaagtgatgg gttttcctaaa accccaataa aatcgtaata gcaccataa tcataaaccc 120
cttgaaaaac ctgtgatcgg atcaggccca acaaggac 158

<210> 26753
<211> 54
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D6

<400> 26753

cccacgcgtc cgcggacgcg tgggaaaaaa aaaaaaaaaa aaaaaaaat aaag 54

<210> 26754
<211> 117
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H10

<400> 26754

gattggcggc cggagcgaga ttgttgatgc cttgttgga ggaggagggg aattggagga 60
atatatccca acaagaattt gattagtaaa atcggacgcg tgggttctag atcgca 117

<210> 26755
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H5

<400> 26755

cacgcagtac agcgagtaca agaactgggt gtggaagtcg caggacgacc tgttcctgaa 60
cgggcgcttc ttcaaccagt ccggcgggcca gaacgagcgc aagtaagaca ggctcgacct 120
catccaggcc aagggcggcc agtacgccga gtcgctcacc aggtacgccg gcgcgctcaa 180
ctgccgcgtc ggcaggaagt gctagtgcgt gtgcagctct aggctgcagc tttcatcatt 240
ggcgatcgat cgtaacaatg caagggtgtg ttgtatataa ctcttggtgt tggaatgccg 300
cccgtaatga atgggtcaact ctaacactgc ttgcctttgc ctgccggcca gcaaaaaaaaa 360
aaaaaagaat tgaataaaa 379

<210> 26756

<211> 167

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-A8

<400> 26756

gcagcattgc attaattaat gcagggtgaga attgtcgaat aatggaattg atacaccgat 60
tttatcagta cacttggtttc ctcgcataaa aacttaccat tttggaagtt ccggaaaaat 120
ggactttggc tccaattaag aaaatacaat gtcacacctac gctatac 167

<210> 26757

<211> 317

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-C12

<400> 26757

gtataggagc atactctaga taaatccttt attgtactgt ttccaaagaa acggacaagc 60
tatacattgc attcggaatt attgaccata cgacagacga gtaatttttcg acagatttaa 120
agcacgatgg gtcccagaag gtacccatga ctcttgagct atcatgccct cttgaacaga 180
acaactagga tgaccgctat ggtcagagcc atgaaggatc ctcccacagc catctctgtt 240
gcagaaaagc cctttctcaac tgaagggcct gtcacgggtct gggcctcggc tgagtcattg 300

aacaagtccc tgaaaaa 317

<210> 26758
<211> 97
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-C6

<400> 26758

accacgcatc cgttgaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gaaaaaac 97

<210> 26759
<211> 304
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-D9

<400> 26759

atttgcaagt tcttgtgac atttcgacac cacctgctac gatattttta tatgatgatt 60

ggggcatgcc tcatagagcc gcggtactga aattcccctt cctctgggag gaagactgct 120

tccaagcacc aaaacacgaa ttcgacgtca caagtgtttc ctgcaatgtc tctgcgtcat 180

ccatgatcct gctggactac taacattcac atgcactagt cgtaataaat ccagtgcgct 240

tttcatgtat aaatctgtac tgtggctcgc taaaatacaa tttggcaatg gtttatgaca 300

aaaa 304

<210> 26760
<211> 74
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-G2

<400> 26760

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaa aaaa 74

<210> 26761
 <211> 435
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-E1-G4

<400> 26761

gacaacccat cggccaaccc gtcgggatat gcaaccaggt tgctgtcaat atcgcccctc 60
 cagaaacgca atcaagtaca agttattggg tttggagggt tgattcgact tatggaaggg 120
 gacgaggagg acgagaaagg ggatgggttca gccactttg gggtgcattt gcaattctga 180
 ttggtgggtct cttattggat gtgctgatat ctgtttttct tgggtgtttcc gcacttctcg 240
 tcaatataat aattgggtgtt cttatagttc tcggattggg caccgccctt catctagctc 300
 ttgagtgctg tcacgaatgg ggctcaagga ggaacgtggc caatattccg aggctggaga 360
 acatagcgcc gactgggtac caccctgcag tagtataatc gttatgggac ttgtaaatag 420
 cgtangaaca tctaa 435

<210> 26762
 <211> 116
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-D12

<400> 26762

cccacgcgtc cgcccacgcy tccgcccacg cgtccgaaaa aaaaaaaaaa aaggaaatgga 60
 taataaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa aatatataat aaatat 116

<210> 26763
 <211> 382
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-F1

<400> 26763

gtataggagc gtactctaga taaatccttt attgtactgt ttccaaagaa acggacaagc 60
 tatacattgc attcggaatt attgaccata cgacagacga gtaattttcg acagatttaa 120

agcacgatgg gtcccagaag gtacccatga ctcttgagct atcatgccct cttgaacaga 180
acaactagga tgaccgctat ggtcagagcc atgaaggatc ctcccacagc catctctgtt 240
gcagaaaagc ccttctcagc tgaagggcct gctccggtct gggcctcggc tgagtcattg 300
aacaagtccc tgaaaaagtc gggttatattg tggaccacat ccatcacttt cttcttcgca 360
ttgtccacga aatctgcgaa ac 382

<210> 26764
<211> 64
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-F9

<400> 26764

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaag 60
gaaa 64

<210> 26765
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H5

<400> 26765

gcagcattgc attaatattg gcaggtgaga attgtcgaat aatggaattg atacaccgat 60
tttatcagta cacttggttc ctgcataat aacttagcat tttgggagtt ccggaaagat 120
ggaacttggc ctccactaaa gaaaatacaa tgacatcata cgctatacac gatggttctc 180
agatgacttg cctccgaaag aaacaagctg tctactcttt gcacagcggc caggagcgaa 240
gcaaaagcaa aacatgctga tactgtgata caaacattt gacgccatta ggcctgtac 300
ccgctactag ccagatcaca tactcctcgt ctgcttattg gccgattgct ttccaacctt 360
ctctcggttc tttcttgagc tcctactc 388

<210> 26766
<211> 320
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A6

<400> 26766

cacggaccta agccagtaca aggatcatgg taattggatc gagattctac gcgtggacaa 60
ggttgtcatc accggcaagg gaaagctcga cgggcagggg ccagccgtgt ggagcaagaa 120
ctcctgcgtc aagaagtacg actgcaagat ccttcccaac tcgctgggtga tggacttcgt 180
gaacaacggg gaggtgtccg ggatcacgct gctcaactcc aagttcttcc acatgaacat 240
gtacaagtgc aaggacatgc tgatcaagga cgtcaatgtg acggcgcccg gggacaagcc 300
caacacggac ggcattccaca 320

<210> 26767

<211> 293

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B12

<400> 26767

caaactgaaa gggcaaggca gaaagagctc tggctcaacc tggggagggg cgtgatagca 60
tggcctttgga tttccagata gaagagaaca gactcaaaac gacaccttat agcgatcgct 120
gcacttaatc cttgttccat gcgcagcaag cctcaagctt attacccttg tttgtcagcg 180
ttgtgtaaaa actgtaaccc ggatgctgtt tcttcttctt cttcttgggt ccttcttttt 240
tctgagtcgt cctttgtgga ttcaataat aaataaagtc ttgtaaaata aac 293

<210> 26768

<211> 64

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-C10

<400> 26768

cttgttcgca caaaaaaaaa aaaaaaaaaa tttaaaaata aaaaaaaaaa aaaagaaaaa 60
agag 64

<210> 26769

<211> 70

<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-K1-E12
 <400> 26769
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttataaaaaa aaaaaaaaaa aaaaaaaaaa 60
 acagaaacgg 70

<210> 26770
 <211> 256
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-K1-F11
 <400> 26770
 cggacgcgtg ggcggacgcg tgggcggacg cttgggaaaa aaaaaaaaaa aaaaaaaaaa 60
 agagaaaggt aaaaaaaaaa aaaagaaaaa aaaagcctgc ctatttatat gatccaagct 120
 ttcgatccct tgcattgcgac ttcttacctc ttctctagtg ccacctaaat tcaattaact 180
 gcccctcctt taacaacttt taaactgtga aaacccttac tttccccaac ttaatatcct 240
 ttcagctcat cccctt 256

<210> 26771
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-K1-F8
 <400> 26771
 ccacaaccct gtgcagagtt cttgcagtct tatcaagggtg acaggaacga cataggacat 60
 ggaggccacc ctgtgcccgga agccccattt cgtgggtcatc ccatggccag ccaccagcca 120
 catgatcccc atcgtggaca tcggctgect cctcgccgcg cacggcgccg cggtcacgat 180
 catcaccacg cctccagct cgcaactcgt ccagagccgc gtggaccgcg ccgggcaagc 240
 ctcagcgggg gtcacgggtca ccgcgatccc gttcccgggc gcggaggccg gcctgccgga 300
 cggctgcgag aggacggacc acatcccata gcctgacctc gtgcccactt tcttcgtcgc 360
 caccgcgcgg ttcggcgagg ccgtggcgcg gcaact 395

<210> 26772
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G2

<400> 26772

cggacgcgtg ggctaacc ca agacaaaaca tgggtgtgaa tgtgagaacc atgtggtcgt 60
cgatgcgggc acaggttgcg atggctgtgg tgttggtggt cttggtgagc ggcgcattgg 120
gcggtcctcc caaagtcccc ccaggcaaga acatcacggc cacctatggc aaggactggc 180
tggacgctaa agcgacatgg tatggcaagc cgacgggtgc cgggtcccgac gacaacgggtg 240
gtggctgcgg gtacaaggac gtgaacaagc ccccttcaa tagcatgggc gcatgcggca 300
acatccccat cttcaaggat ggtctgggtt gtgggtcctg cttcgagatc aagtgcgata 360
agcctgtgga gtgctccggc aagcccgtgg tgggtcacat cacggacatg aactatgag 419

<210> 26773
<211> 345
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A12

<400> 26773

ccgcgctgtg gagcggcgga gagcaatcct tctcttgtca ggcacgcctc tggcgctctt 60
gtggaggagc cgcgtgccga cgagccatgc agatacgggg taacaacctt accgacatgt 120
gctgactcgt gatcaaagca agattatagt tcaagttgga atcatggcac tgtagtagat 180
atagagctat cacatagact tggcgcacga atctgactgc ggctactatg gcaagcgctt 240
tgacactgcc tttggagact tcaccgagaa gatcgtcaac attggtgctg caaatgcccc 300
attccaggtc cttgcaacgc taagaggcca ctataggacc gcgtg 345

<210> 26774
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A8

<400> 26774

gagaacaagt cccaacaat atactcactg cattaatata tatagcgggtg taaacaggtt 60
gatcgttgga gagtacacat gaatcaacaa cccaagacac acacacacac tctcccaact 120
ggcgactcgc gtgcgtgaag cgatcaaaac acaccaaga tgaaaatact ggtaaaattc 180
aagtacaaga agcgatgaac tggatatat tattatgtat cactccggga cggggggcgg 240
caacacgcgc gcggccggcc ctgcagccgg aggagctcag ctgaagaggt acccaacggc 300
ggccacagcg agcgtgccgg cagcg 325

<210> 26775

<211> 279

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B10

<400> 26775

cggaatggca gaatcgaccc aagcgtcccg ccacgcgtgc gaaatacaac cttgaaatgc 60
ttgatttgat gactgtttcc caatacgtat gcacggatat atacttaagc cttgatactg 120
ctattcgggtg agcaattgaa ctctctaagc atgtactata tctcaaaaga aagtatggca 180
ggccgcatct atgaagtaac caagacttat cgtacgctct gcatgctatc gtcataggct 240
cttctattct gacatctcaa ttgaattaac tgtccaacc 279

<210> 26776

<211> 189

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F10

<400> 26776

agcgatccgg gcagacgata ctgcagcagg ctgatgtgct gcgggtgacc tggaacgagc 60
ctatgcgttt gagccggcat cacgctttga cgatccgtat cactaagtgc gcagcgtgta 120
ttgcatctga tccgatggct cacgtactac cctcatatca gacgctatca gtataacaac 180
gtgagtgg 189

<210> 26777

<211> 57
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-G12

 <400> 26777

 acaacagatt atctctacta taaggccacc taaattcaat tcactgaccg ccagatc 57

<210> 26778
 <211> 305
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-H12

 <400> 26778

 gactagttct agatcgcgat ctagttttag ttgtcctacg tggcgcgggcg cgcccagtct 60
 ggtgaaggat catacgagcg tcggcttggtg ttgtggtcga ataaataatg cgtctgtgtg 120
 ccgatcccggt gtcggggttag tgggcccact gtcactgctg atgtggcctg cctttacagc 180
 acatcgatgg agctggaccg cagagctcat gtgtcgatta aatatatgag tactctgaac 240
 tggaccaact attatgtagt gtcagtgtgt agtaagcata tttgtgtcca caacaacaat 300
 gatgc 305

<210> 26779
 <211> 327
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-A12

 <400> 26779

 caagatgcaa gctaattgtag ccataaatgg gcaaagataa tacagcattt ctttgggtata 60
 caagttttatc cttccgtatg acagaattcc agcttatggtt ggaacacttc taagtttgtg 120
 ccgcaatcaa cactgcacat ctcatTTaaa aaacgaaggc ctaatagatg tagaaattaa 180
 actaaaatct gaaagcttca caaaatgttt gtatccgctc ctctagcatt tttgggtgtg 240
 taaaccacac ctctgggttac cttaactaga aacaagcaac taaccctgat attaacttga 300
 catcaccaat tcacagtcac gcacctg 327

<210> 26780
 <211> 367
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-A2

<400> 26780

acagcgaacg ggcctcgcag gcctcgtgct ttcagctcat gtattacagt attccctatg 60
 gcccggtgtca agcacgcacg cactatataa aatacactta tatacataca tgacgtgtac 120
 tacgacaacg acgaagaaga atgaacagct agcagacgta ccggcggccg attcacaagt 180
 gtacagaaaa cgatcgactc cactccaact atacatatcc tactatggct ttgctacaa 240
 cccgatggat cagaaagcat gcatgcatgt acaggcaggc atggccatgg cgatgcctgc 300
 aggctgcaaa cgaatttgat cagatggctg acacctttgg gacggcgacg gggtacctat 360
 cgatgtc 367

<210> 26781
 <211> 367
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-B3

<400> 26781

cggacgcgtg ggcggacgcg tgggcgctcg acaccaaggc cccgctcaag taccctcttt 60
 gcatccgctt tgctgtcaag tccggtggct accgcacgcg tgacgacgct atccccgctg 120
 atttcaaggc cggcaccacc tataagacca cactcagcat ctaatcagcc tctgatgatg 180
 aattatattt caaaagagct cacctgggtg tcatgttagc aagacaatat tttttctatg 240
 gttattttgt ggcaccaaac cacccaagaa atatgtgatg ctacatgtcc cttctgatgc 300
 cttgctgtgt tgggttgata ttattacata aactaaatca attatttatt taagatttta 360
 aaagaaa 367

<210> 26782
 <211> 296
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-B5

<400> 26782

taaaaatcag aattgaaaac ggtttgatta ttgtttttgt ttgaaaatac atgatatcct 60
atatttattga cactcgtcag actgctcttc attccccgtt gctgcattag ggcatgcccc 120
cgtcattgtag cagtatttga tctgcttctg cttcatgggt ccacatcctg gtatctttat 180
tccataatga tatatatatt aattaacaaa ctaaaacatg tatttattttt acggggtttgt 240
cgacggatga gcttgctctg gcttgtgcat ggatggaaga accgagatca gctgac 296

<210> 26783

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-E7

<400> 26783

gagcaccacc accaccacca gtacggggccg cctccgccgc agccgatgta cgcgtcggcg 60
tacgggcagc cgccgccgcc gccgccgatg taccagcagc cgtacggaca gccggtgtac 120
gcgtcggcgt acggccagcc gtcgccgcca ccggcgatgt acccgccgcc gtacgcgcag 180
ccgccgcctc cgccaccacg gaagaccggc gcatcgttcg cggaaggatg ctgtgcaggg 240
tttgccgcaa tctgttgetg ctgcctcatg gacgcgtgct tctgatcgtg tggtcgacca 300
caagcccaag atacgacgtc ttacttctgg cctgggtcag ggtgcccacg agcgaggagc 360
tgagatcaac caccgtgttg agcagctggg ggt 393

<210> 26784

<211> 93

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-F6

<400> 26784

aaaaaaaaa aaaaaaaca aaacaaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag 60
aaaaaaaaa aaaaaaaca agaaaaaaaaa aaa 93

<210> 26785

<211> 178
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-G10

 <400> 26785

 ccacgcgtcc gccacgcgt cgcgccacgc gtccgtctag atcgcggtg gccacgcatg 60
 cgatgaccat ctgatatgga cggaactata tattgtattc ctattaatct ggcatTTTTCT 120
 aagctaattg ttttttttcc aaataagaaa aacaagaaaa aaggacaaaa gaaaaaga 178

<210> 26786
 <211> 389
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-034-Q1-K1-A7

 <400> 26786

 tacaagcact ggtacgagca gtgctcctac cggagcaagg acgacccgaa cggcaacagg 60
 atgtgcaacc agacgtgcgg ccagacctac aagggcgccg acgacggcgc gcccgcttga 120
 tcgacccgtt gttcatcggc gcgcggattc aggtgcatat taagatcatt ttcaatatct 180
 tatacaatgg ttacgtcagc ccatacatga gctcatgaat gagctcattg aatgttctac 240
 ttatactata gcatatacta gatgctagcc ttggtgctca tacatggatt cactcatcta 300
 tccactaatt cctaccataa agtgagatga cctatgtgta gacatatata tgcatgaata 360
 tatgcattaa acagnatttt aaaaggcg 389

<210> 26787
 <211> 345
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-F8

 <400> 26787

 gcagaatgca acatcggttt ccaccatttt cctctttaca gaatactact gtcctgtgta 60
 tacggagaaa ctacatttca cggagtagta aataaacagg gattaattag cgccgtgtgc 120
 atgcatgcat acggcggttg gctggccgac atgatcataa caattaatta attaattaag 180

gcgaagacac gaagcgtgga ggatcgatgc gtccccgccg ccgcagtatg ttttaagctg 240
 acttgccgta gatgtgttgt ggcctgccgg cggcggcgtc cttctgggtg tctatgacag 300
 tctcgaaagc gccgacgagc gccttgaccc tgctgcactg gcgct 345

<210> 26788
 <211> 345
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-G12

<400> 26788

attccgaagg acccatttta ttccggaaac agatgcccg gctttctccg ggtcctctga 60
 tagaagcaaa cataggttca cagttcagac ttgacttaca aacagtcgca caaaacatac 120
 agcactctgt tctaactcgg gacacgaaat cctctctttc tctctccctc tccctctccg 180
 ctactgcct caatctagga agactgccgg agctccgggc gcacaaagtc ggcgttggca 240
 ggcacagaga tgtecgacggt gggcctcagc tcggcgcaga cctcaatggc accatggaca 300
 ggggccgaca agaagttgct gatgaggtcc tggttgatcg gggcg 345

<210> 26789
 <211> 345
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-034-Q1-K1-G6

<400> 26789

gaatgtcctg gcatggaatt gatacaaata tagtacaaca tacacaatac tgtgtcaatt 60
 tatcagtatc aacagtcgag aatttcctta gagttgcaat aattatatcc ccaatagctc 120
 aattgaagca atttaagcaa caaggacaat ggggagccgg acgtttccat aaccataata 180
 acaagggttaa ccttgtatag taagaattga acctttggat ctaacaacaa acaacacatc 240
 caccggatga ggaaggattt cacctttgaa gccaatctc acaccgcgga aggttcctcg 300
 acgtccctcc cccgttcgcc gncaacgcca ccgagcctgg gcaca 345

<210> 26790

<211> 86
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-H3

 <400> 26790

 ccgggtcgac ccagcgtacg atcaatttga gaccccatg attgacaact tttgtgcaaa 60

 aaaaaaaaaa aaaaaaaggg ataagg 86

<210> 26791
 <211> 189
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-H5

 <400> 26791

 tgttgatgtg ggtgtttcgt caactctgta ctgtacaaca cgactacagc gtgcgtgctg 60

 ggtcgatcct atgctctctt gttgcaggat tcaagtttgt tgttgtecggt tccttccctt 120

 tggcaaaaaa aaaaaaataa taaataaaaa aaaaaataaa aatgaaagta aatttacaaa 180

 ttagaaaat 189

<210> 26792
 <211> 65
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-C11

 <400> 26792

 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa tttaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

 agggg 65

<210> 26793
 <211> 134
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-G6

 <400> 26793

cggacgcgtg ggctgacgcg tgggcggacg cgtgggcgac aggcacccga cagctatatt 60
atgttcgacg gtgtaacacc ctgaatttga gggataaaaa tttcttctct aaataccaac 120
caaattcagg tggt 134

<210> 26794
<211> 303
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-G9
<400> 26794

cccacgcgtc cgctcttggg gctgatcacc tcaccgcggg gcagcctgtg ggacccgaac 60
gctggcttca tggttgaggg tgctacactc gagacagtca ctctatttcc ttatgatgcg 120
gtcaacgatc tcaagggcgg ttactagaga gaattcttgt accttcagca gttcaaacga 180
gctggcaaac ttatctgaat ctttttgata attggctagt tcttctgttc tgggtgttatg 240
aactcatgtg gctattgctg ctggcgtcaa aagattcctt ttattgccat ggttgagata 300
aac 303

<210> 26795
<211> 453
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-H4
<400> 26795

agaccgtacc cgtgacgcgt gggcggacgc gtgggcggac gcgtgggttt atgatgatgg 60
cactgctaag ggagagttgc ctgaaacagt ttattgcttt gatgggtgtct tctataatta 120
cttttagcata ggaatggatg ctcaagtggc ttatgggttt caccaattac gtgatgaaaa 180
gccatttctt gcacgcgcac cttcatgtac tacggcaatt tacgcaggat atacctgcaa 240
gcaaggatgg ttctttacac aatgtattag tgatcctgag ttaaggggat tgaggaacat 300
tatctgttta tcaatcaaga ggatggacag ctctgagtgg gagaacattc ctgtcccatc 360
gagtgtgagg gcaatcgttg cattaaatct tcacaattat gcaagtggaa gaaacccttg 420
gggaaatttg aagcctgaat atttgagaa aag 453

<210> 26796
 <211> 249
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-H7

 <400> 26796

 gttctaagg accgtgtaa gcttgtgccc tatattgtgt gcctccacat attggggagc 60
 ttgaagcatc gacaagttac tagtcattgc ttacttatat aagaacataa gtagtatttg 120
 ctattgtcaa gtgtgccttg cttgatgcaa gttgtgtttt cgtatcatta ttattatgca 180
 cggccatcgt acgtgtatgg cttgtatggg ttattgccaa ctttaataaaa gcacactctg 240
 ttgcctat 249

<210> 26797
 <211> 325
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-C2

 <400> 26797

 gtatcttcgt taaaaattat agcagtacaa atcatagcac attgtgtagg tgtaggatac 60
 agtatcacag cagctgaaca tcaaaccat ctctgccag gctctgagca aacgccaaag 120
 ccttcaacgt ggcacctacg taccgtaccc cagtcaccca cctcacacgc tacctcgctc 180
 gcagtcgcag cttccgctgt acgcacacta ctgcgcggtg cacgcaccga cgacacggtg 240
 gcgcagctta tgtatgagta agtataggga ctcggcatac acgttgtaat tgcagcgtgc 300
 caccctgtct agcgatcgaa cacag 325

<210> 26798
 <211> 299
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-E3

 <400> 26798

 tgtttttttt tgacaccgtt ggtctttctc tttcgctctg ttttaaaaaa gacattatta 60

tgatagccac ttactgataa cccctggtga caatcttgtg agattatgct tggtagagcac 120
 caccctacca agtggcagtt gctggataaa ctacagccta taagcggccc cttgaacaac 180
 atggccttct taactgggac aataacatcg cggaaccaac gtcagacggg tattcacatg 240
 ctaacttact ggtcacctaa cattacaggc gaaactttta tctttacaat ggctgggcg 299

<210> 26799

<211> 265

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F8

<400> 26799

tagcgctata catggttggg ccccatcttg tatcaagtcc gccgaatcct gttcacttat 60
 gattgaaaaa gactgataag gccattgctt tttcacgacc agacatacca acacctgtga 120
 tccatagtcc ggaactgtca caggagtatc gtctgcctct gattgaatgt aacagtgcaa 180
 aatgctccac tacactctct ggagaggca caccgttagg gctacggcct tctaggctgc 240
 agcgagctca ttggcgtaga gtttt 265

<210> 26800

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B1

<400> 26800

taattaggtt gacaaaagag aaggaggatt atagaaatac tattatgaat ctttagcagg 60
 aatttgaatc attaagatcg tcatatgagg agagatgtaa gttgtagaa tctaagaagg 120
 aagatgtagt taaacttgct gcagacaagg aaatgaatga caacatagtt ttgcaactca 180
 ggcaacaact tgaggcaaca aaaaagttcc atgaggcaga gacaaaagag aaggaggatt 240
 atagaaatat taatatgaaa ctttagcagg aattcgaatc attaagatcg tcatatgagg 300
 agagcagcaa gttgtagaa tctaagaagg aagatgtagt taaacttggt acagacaagg 360
 aaacgaatga caacataatt ttgcaactca ggcaagaact tgaggcatca aaaaagttgc 420
 atgaggcaga gactcagcaa ttagagacca aagct 455

<210> 26801
 <211> 143
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-B11

 <400> 26801

 taattattta actatTTTTgt atagaactcc attatatatt aaggatgtga cgttcatttc 60

 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacaaa 120

 aaaaaacaaa caacaacaaa aac 143

<210> 26802
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-H11

 <400> 26802

 tttttgtcaa taaaaaagat ctatTTTggcc cgatggaaaa aaatatacag catactgcat 60

 acaagttcac cacgtaatcg agatgacgtg aaaggTCgga cacgaaccgg acgaaactgc 120

 agctTTTTatt agtatagtac gtactagctg tagctgtagc gagtacgaaa aggtagcgaa 180

 accctgctgc tcggaggaag tacatctgac atataggagg agcacaagag agcaggccat 240

 catccagccc acacacggcg gcgaccacag gccgctcttc taccgttggT cggacccaaa 300

 acgatccagc gtcacatcac atcacagggc acagcgagtc agcgaccgc accgagaaga 360

 gagaagacct cgctcgcgct ctacaagaac gttccgggcg tcacagagcg cgcccgcgTg 420

 gcttaacacg ccg 433

<210> 26803
 <211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-A12

 <400> 26803

 acaaaggagg ggacacacac acacactttc taccgtctcc gcccggccgc cgcgacgctg 60

catggctatg gctcgctccg tcgcgcacct cttctttccc atcctcctta tctccaccgc 120
 gcccgccgtg cgggccatca ccgacgccgc cggcggcccc ggatacctcc aggaggcgtg 180
 caacaagacg ctgttcccca aggtgtgcat gcacgcgctc aaggacaacc cagagtgccca 240
 ggcgagacg gcggtcacc cgcgccggct ggccgagctg ctcggtgacg tgtcggccga 300
 tgtgggcatg accgtggccg cgttcgcgca ccacgagctc aacgccatca aagacgacga 360
 cgttctgtac aagtgcacg acacct 386

<210> 26804
 <211> 178
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A7

<400> 26804
 cggaatttga gttccaataa acggaatata ctttcttga tcacctgaa ggattgtatc 60
 attagaattt tcatacaggc ctggcctttt gagtctctgc ctacgcacgc agatgttgtg 120
 gttcttgtgt ttgtagccta tatgtactcc ctgagtcgat tatagaaatg tttatgcc 178

<210> 26805
 <211> 282
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B3

<400> 26805
 acggctgcta cgcgtacatc ctgatcgact ctatgtctaa ccaggcctcc gagaaggagg 60
 gcgggcccga catctccgtg aagggtccg acctgatcga ggagatcaag acggagctgg 120
 acaagaattg cccgaacgtg gtgtcgtgcg cggacatcat ctcggtgagc gcccgcgact 180
 cggatgaagct gacagacggg cccgagtacg cgggtccccct tggacggcac gactcgctcg 240
 tgtccaaccg tcaggacgcc gacaacctga cgggcccga ca 282

<210> 26806
 <211> 279
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B6

<400> 26806

aatatgacaa cgcagacgcg tgggtctagt ttcacctctc gaggcgcaga gtcgtcgttg 60
gcgaatgaaa tcaaactgtg tgttttttagc ggtcaagtga ttgtacgaaa tgtaaaaaag 120
aacgaatcca gaacagcagc gcgaaaaaaaa aaaacaattc acgattcttt cgagtcactg 180
caaaaagaaa attgtaaatt ggtagcaact cgtttcttgc ccttggtggc aggattgaat 240
aaactgatcg atacggggag ctgttcaatc gaaaaataa 279

<210> 26807

<211> 77

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B7

<400> 26807

gacccactcg tccgaaagaa aaaaaaaaaa aaaaaaaatt aaatttaaaa aaaaaaaaaa 60
aaaaaaaaag aaaaagg 77

<210> 26808

<211> 323

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D9

<400> 26808

ttagccggtc atgggcgcgt cgtcttcctt ggggcggagc gccagcgagc taccctaccc 60
gccgtcaccg ttcagctcca aactgctca ccaccccgtc tccgtgccca ccacacctag 120
gttgctctta tcgtgctcgt cgttcggcca catggtgacc acgtccactg acacaccgtc 180
gatcacgccc accaagaagc aggacgacat gccgaagccg tcgccggagg ccgtcaccgc 240
ggcgaactac gcgtcgatgt ggtagcccaa gcgcctcatg cagtgcgctg cccgcacttt 300
ccgacgcagc acgtcgtgcg ccc 323

<210> 26809

<211> 203

<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-H12
 <400> 26809
 attgagcacc ttctactcct ccgtcgtgta acaactcaac ccccgcaacc gccacatcgg 60
 ccattttcac ctgctcaacc aagcccaaca ccctttacgg gcaagcccca gcttaagcct 120
 ctcttttacac acccaaagtt gcgccccaaag ccaactccaat ctccgttgat gttgccgctg 180
 attaacaagt aactgaaaaa gtt 203

<210> 26810
 <211> 127
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H9
 <400> 26810
 attgaagagg cgaagtgggc gccgaatggt cgcatgaagt cggcgtagca ctggatgggg 60
 gtgcgtccct tgagcactgg catcgcgtct catcccatgg agacgtactc gtagttccat 120
 cgggtcaa 127

<210> 26811
 <211> 333
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A4
 <400> 26811
 ctcgaccatc cctgcaaatt accgcgatgg ctcccaagat cctagtcatc cttgtgtgcc 60
 tcgccgtggc ctacccgggt gctctggctg ccttcgatgt gatagagatg ctggccgaca 120
 agcccacgta ctccacgttc ctgaagctcc tgcaggacac caaggtcgcg ggcgaggcga 180
 atcagctccg gtcggcgacg ctactggctg tccccgacaa acttgccaag cctctggcgt 240
 cgctgcccgc cgataaagtg cggccggcgg tggagaacca cgtccttctc agttacttcg 300
 accccatcaa gctggacgag atgaagacac gca 333

<210> 26812

<211> 55
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-040-Q1-K1-C11

 <400> 26812

 cgtggagatc aaagagcacg ggggcgttta cttctccttt acgctcaagg agggc 55

<210> 26813
 <211> 259
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-C6

 <400> 26813

 gcgacgcgtc cgaatatgct naccagatat gagcgacacg tcaatagcac cgatcacgac 60
 acatttaaca aaggcgacag ccaccacgcy aaccccgacc gtgtacctac tgggggcggc 120
 tgtcgcgga ctcttagtca cgcctgctgc cgtggacgca acaacactgg cggcaatatg 180
 gaggggaacc gcttttccag acatcagcac caccacagtg gggaccaagt ccagagctc 240
 cgggttctta gacaccatg 259

<210> 26814
 <211> 395
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-G10

 <400> 26814

 ctcggcgtca agtccgacgt ctactctttc ggcgtcatgc tgctgcagat catcacgggg 60
 aagtcgcca tggggctgtc gcaccacgtc ggccgcgccc tggagcgagg cgagctgcag 120
 gacatgctgg acccgcggt gcccgactgg cccctggagg aggcgcagtg cctcgccgaa 180
 atggcgctcc ggtgctgcga gctgcgccc aaggaccggc cggacctcgg cgccgtcgtg 240
 ctcccgagc tcaaccggct gcgcgcgtc ggcgaggaca acatgcagta ctgcggcgcc 300
 atcatcaggg ggggcagcgg cagcggcngc ngcatgcaca gctcgtcgcc gttccacagc 360

aacatctcac ggtcacacgc cgagatgatg atcga

395

<210> 26815

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-H11

<400> 26815

ggcggatccg cctccgtacc atggagtccc gacggcgcca cctcatggtg ttcacggggg 60

cgttcactga taggtggtgg tcctcatgta ctagatctca cgctgcagg gcaggctccc 120

taacatgggt cgtcgcatcc tcatggtact cacggtcgcg ctcgtcgctc gcggcgcgga 180

ggccttgatc tgcattctacg atcggaacc ctccgagag gtatacagag cctcctactc 240

tctggcccat agtattctgc cagtcattctg ctcccgaacg aagggacact cggatacagag 300

cccccc 305

<210> 26816

<211> 70

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-H6

<400> 26816

cccacgcgtc cgccgacgcg tgggaaataa caaaaaaaaa aaaaaaaaaa aaaaaacaga 60

aactttttaa 70

<210> 26817

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B12

<400> 26817

gtcaggctga ctggattgct gctccattgg tacagttgca cccgaggaga tttaaagcag 60

cgtttggttg gttgttcggt acataaatgc agactcgtct cgtgcaaaat atcacctca 120

gccaggcccg tccgagacgg tcgccaagca cgtagtgcaa cggcacgtaa aaagaggaga 180

gtttagctga tggtattctc tgctatatct cttaattaga atattttaatc acagtactga 240
 ttttatatct gtgtttctgg tatttttttaa acaaaactag accacatata ttgtataata 300
 tttaaagatt ttttgtacaa tcttatctaa tacacgttct gatacagaca accaaacacg 360
 agctatt 367

<210> 26818
 <211> 312
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-E4
 <400> 26818

tatgtcgtct ccaattcggc gataataaca tacggaagag ggaggaacag atttctcctg 60
 gctatccata attgctggagt tcgtcgtgat ccgccatgct cgacgaccat ccctttgctc 120
 aggatggcat ctcgagcccc atagcagcgc acatctttga cttctgcgac aatggcagcg 180
 gcggcgacct cttcacggcc gtgaacgtgg cctcagacct gttcacggcg ccatcagagg 240
 atgcctcgtc gtcgtccgta gtgacgacgc ctttcgtgcc ctgcggccac ggcgactaca 300
 tgccgttggg ca 312

<210> 26819
 <211> 283
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-F4
 <400> 26819

catgcatgca tgtatgcatg cgccggggtg acgtggcggt cagctcaggc gctgagcgag 60
 gctatacgta cgtcgtcacc ggctggccac gcatgcgata accatctgat atggacggaa 120
 ctatatattg tattcctatt aatctggcat tttctaagct aattgttttt tttccaaata 180
 taccgtcgat ggaactccaa atgtaatgtc acgcaaagt gtgtttttca tcgattgaat 240
 ggataataat aaaaaggcat gctggcagtt actactagaa aag 283

<210> 26820
 <211> 103
 <212> DNA